

The Internet-First University Press

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



Preliminary (and Incomplete) Guide to the Collections of The Internet-First University Press on December 6, 2012

Abstract

This document lists most of the open access collections posted online through the efforts of the project to explore low-cost scholarly publishing options. The final report of that project may be found at:

<http://dspace.library.cornell.edu/handle/1813/3459>

Herein you'll find the names of publishing projects, the corresponding URL for access and an abstract. This is a preliminary document and is known to be incomplete.

Comments may be sent to:

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06Dec 12

The Internet-First University Press

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

The Legacy of Cornell Faculty and Staff Collection

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

“This multi-media digital archive contains material in The Internet First University Press (IFUP) that celebrates the contributions of Cornell people to the world of scholarship and to the life of the University and its research, service and educational mission. Included will be biographies, autobiographies, lectures, interviews, scholarly papers, and other materials related to the contributions of the people included. The material in this archive is available to the worldwide scholarly community via the Internet and a full text index to these materials is included in Internet search engines.

“This community is sponsored by the Cornell Association of Professors Emeriti, but does not imply editorial responsibilities.”

NOTE: Up to three Internet links are provided for each video: Cornell YouTube provides streaming video (i.e., allows you to begin viewing while the video being downloaded in the background) and provides the largest image size. CornellCast (a part of the Cornell website also provides streaming). A third copy has been archived in eCommons@Cornell, which does not support streaming but often contains additional documents.)

A Conversation with Royse P. Murphy

Royse Peak Murphy, native of Norton, Kansas and survivor of the Dust Bowl experience, the Great Depression, then World War II, joined the Cornell Faculty in 1946. His main focus has been plant breeding, releasing many new crop varieties and supervising graduate studies for 21 Ph.D. students and 12 Master of Science students. His international work was extensive. He is an exemplary member of the Cornell University Faculty and served Cornell as a Department Head, Dean of the University Faculty (1964-67) and as a faculty member serving on the Board of Trustees. As has been characteristic of Murph since his ‘retirement’ 32 years ago and despite his recent physical adversities, he has maintained a vigorous devotion to and love for plant breeding – as witnessed by his participation in this video. Interviewed by plant breeder colleague, Donald R. Viands, he discusses his recollections of the plant breeding department at Cornell, supplementing his book on that subject, *Evolution of Plant Breeding at Cornell University*

(<http://dspace.library.cornell.edu/handle/1813/23087>).

Running time: 41 minutes. A biographical sketch by Lee B. Kass, that was presented at the celebration of his 90th birthday, is also included in eCommons.

Cornell YouTube: <http://www.youtube.com/watch?v=IXBHAgALtIk>

CornellCast: <http://www.cornell.edu/video/?videoID=1847>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/28286>

The eCommons site also includes a biographical slideshow, “Murph at 90” by Lee B. Kass

Cornell Apple Breeding: Taste the Apples of the Future

Susan K. Brown, the Herman M. Cohn Professor of Horticulture and Associate Chair for the merged CALS Horticulture Departments in Ithaca and Geneva presents an entertaining public lecture in Jordan Hall, "Cornell Apple Breeding: Taste the Apples of the Future." Her lecture of October 13, 2011 was sponsored by the Cornell Association of Professors Emeriti. From her perspective as Director of the Fruit and Vegetable Genomics Initiative and as head of the apple breeding program, she presented a broad view of the process of creating new apple varieties from its history, the technical aspects to marketing issues to stimulate economic development and consumer satisfaction. The session ended with a sampling of two new apple varieties that are being commercialized in partnership with the NY apple industry.

Cornell YouTube: <http://www.youtube.com/watch?v=UovfTCSY-hg>

CornellCast: <http://www.cornell.edu/video/?videoID=1748>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/24423>

Small is Still Beautiful: Establishing a Micro-economic Agenda for Economic Growth and Development in sub-Saharan Africa: a lecture by Ralph Christy

Professor Ralph D. Christy is Director of Cornell International Institute for Food, Agriculture and Development and Professor of Emerging Markets within the Dyson School of Applied Economics and Management at Cornell University, where he conducts food marketing research and educational programs on the economic performance of markets and distribution systems in developing countries. In this lecture for the Cornell Association of Professors Emeriti on September 15, 2011 he describes the work he is doing to develop markets for rural economies in Africa, how he is engaging Cornell students in that process worldwide and presents a compelling argument that "Small Is Still Beautiful."

Cornell YouTube: http://www.youtube.com/watch?v=rsi_G4t8nfM

CornellCast: <http://www.cornell.edu/video/?videoID=1714>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/23625>

The Rau Plow Model Collection at Cornell University and the Evolution of Plow Design: A Lecture by Gerald E. Rehkugler

In his lecture, "The Rau Model Plow Collection at Cornell and The Evolution of Plow Designs," Cornell professor emeritus Gerald Rehkugler tells the story of Cornell's Rau Model Plow Collection and illustrates the evolution of the plow over time in his April 21, 2011 presentation to the Cornell Association of Professors Emeriti (CAPE). The Rau Collection was acquired in 1868 by the first Cornell president Andrew Dickson White. The models trace the development of the plow from around 3000 B.C.E. to the mid 1860's. Supplemental resources include a written version of Rehkugler's lecture, an English translation of the Directory of the models by Prof. Dr. Ludwig Rau, an 1868 letter from president White to Cornell University founder Ezra Cornell about the acquisition of the collection of model plows, an interview with Howard Riley by university archivist Gould Colman that includes a discussion of these models, brief descriptions of a plow that Ezra Cornell marketed and the plow intended to lay telegraph lines that he invented and patented. A selected list of Rehkugler's own publications completes the supplemental materials. QuickTime videos of the lecture and supplementary materials use H.264 compression. One set is for Apple TV and the other is formatted for the iPhone (and QuickTime Player). These include the lecture, plowing using oxen, a brochure describing an event

about plows and plowing sponsored by the Interlaken Historical Society and a brief description of minimum tillage cropping. Streaming videos of the main lecture component are also available online at

Cornell YouTube: <http://www.youtube.com/watch?v=XGznAv9S94Q>

CornellCast: <http://www.cornell.edu/video/?videoID=1248>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/22848>

(Additional resources are provided in eCommons.)

The Origin and History of the Internet, a lecture by Ken King

In this February 17, 2011 lecture to the Cornell Association of Professors Emeriti at Cornell University, Kenneth M. King traces the evolution of the Internet from its roots in higher education. This is a personal account of the political steps (rather than the hardware or software aspects) in the creation and evolution of a major technological development of our time. King was involved with computing at universities from 1953 to 1998 and served as president of EDUCOM (1987–1992). In this talk he describes the primary and under-celebrated role that universities played in the creation and evolution of networking and the Internet, specifically highlighting the role Cornell people played.

Cornell YouTube: <http://www.youtube.com/watch?v=SDryuP0jqxw>

CornellCast: <http://www.cornell.edu/video/?videoID=1131>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/22368>

Honey Bee Democracy by Tom Seeley

Professor Thomas Seeley, Neurobiology and Behavior, presented C.A.P.E.'s public lecture on November 17, 2011. He reviews the history of behavioral studies of foraging honey bees and then extends that understanding to the process by which swarming honey bees choose a new home. This Cornell-based research made exquisite usage of Appledore Island where he and his students tracked individual honey bees engaged in finding new home sites, how the scout bees communicated their findings to other scout bees and then how the bees reached a consensus decision of 'the best' site.

Cornell YouTube: <http://www.youtube.com/watch?v=JnnjY823e-w>

CornellCast: <http://www.cornell.edu/video/?videoID=1917>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/28212>

My Life as a Field Biologist: from Deer to Digital Book in 40 Short Years. Thomas A. Gavin

Tom Gavin's CAPE Lecture on December 8, 2011 provided a panoramic reprise of his research career as a Field Biologist by way of four major projects, all using marked individuals to illuminate larger aspects of animal behavior and ecology. He explored 1) the naturally skewed mortality pattern in an isolated, nonhunted population of Columbian white-tailed deer, 2) the adult Bobolink's propensity to return to its previously used nesting site despite its annual migratory trip of thousands of miles, 3) how understory forest birds in Costa Rica live in a landscape that has been fragmented by humans, and 4) the demise and conservation of the Idaho Ground Squirrel.

Cornell YouTube: <http://www.youtube.com/watch?v=pd7bziiLzcE&feature=relmfu>

CornellCast: <http://www.cornell.edu/video/index.cfm?VideoID=1850>

eCommons at Cornell: <http://ecommons.library.cornell.edu/handle/1813/28280>

A Conversation with Jerrold Meinwald

Jerrold Meinwald, the Goldwin Smith Professor Emeritus of the Chemistry and Chemical Biology Department, shares insights into the factors that drew him into the world of Chemistry and later into Chemical Ecology, a field he co-founded with the late professor Tom Eisner of CALS, reflects upon some highlights of his own career, how he was mentored, and shares perspectives on the evolution of Chemical Biology. The interview was conducted by a colleague of many years, Professor Bruce Ganem. Running time: 99 minutes.

Cornell YouTube: http://www.youtube.com/watch?v=6FCNsIDU_jA

CornellCast: <http://www.cornell.edu/video/?videoID=1864>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/24555>

A Half Century of Norm Scott: A Biological Engineering Symposium

“A Half Century of Norm Scott: A Biological Engineering Symposium” saluted a distinguished career of service and leadership on November 3, 2011. Former students, colleagues, friends at the University of Nebraska and fellow administrators characterized their interactions with Norm Scott and characterized the numerous aspects of his multi-facted role at Cornell of many years – as a graduate student, a faculty member, a department chair, a college director of research, and a university vice president for university-wide research management and related academic policies. His tireless and energetic leadership at Cornell, nationally and internationally were described. Running time: 151 minutes.

Cornell YouTube: TBA

CornellCast: TBA

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/28215>

Simon Bauer 100th Birthday Celebration. [Simon Bauer, Ben Widom, Harold Scheraga]

The Department of Chemistry and Chemical Biology saluted Simon Bauer on the occasion of his 100th birthday in an event on October 15, 2011 in the recently opened Physical Sciences Building. Accompanied by his extended family, Bauer traveled to Ithaca for the event and personally delivered a 16-minute address. This was followed by remarks by his former Ph.D. student Ben Widom, Goldwin Smith Professor Emeritus, who reviewed some highlights of Bauer’s distinguished career in science. Professor Emeritus Harold A. Scheraga delivered the after dinner speech. Running time 61 minutes. See also ‘A Conversation with Simon Bauer’ at

<http://ecommons.library.cornell.edu/handle/1813/3768>

Cornell YouTube: http://www.youtube.com/watch?v=31s9_98XLSI&feature=relmfu

CornellCast: <http://www.cornell.edu/video/index.cfm?videoID=1851>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/24515>

CALS Alumni Awards 2011

On November 4, 2011 The CALS Alumni Association and the College of Agriculture and Life Sciences honored alumni of the college who have achieved recognized success in their businesses, professions, or other avocational endeavors; have been actively involved in, worked for, and demonstrated leadership on behalf of the college and Cornell University; and, have made significant contributions to the betterment of society through humanitarian and charitable endeavors. Outstanding faculty and staff were also recognized for significant contributions in teaching, research, extension, or administration. Honored were: David R. Atkinson '60; Yongkeun MS '78 and Sun Paik Joh, MS '77; Thomas N. Marino '78; Laurey G. Mogil '76; Kenneth E. Pollard '58; Andrew Ross Sorkin '99; Dennis D. Miller Ph.D. '78; and Norman R. Scott, Ph.D. '62. Running Time: 66 minutes

Cornell YouTube: TBA

CornellCast: TBA

eCommons@Cornell: <http://dspace.library.cornell.edu/handle/1813/28220>

2012

A Conversation with Francis J DiSalvo

“A Conversation with Francis J. DiSalvo” is a contribution from the Oral History Project of the Department of Chemistry and Chemical Biology. Frank DiSalvo, the John A. Newman Professor of Physical Science and Director of the Center for a Sustainable Future, is interviewed by Héctor D. Abruña, the Emile M. Chamot Professor of Chemistry and Chemical Biology at Cornell. This wide-ranging conversation explores the influences from early childhood forward that led DiSalvo to a career in science, how his pathway took many interesting but unanticipated turns and how he came to Cornell. This also describes his approach to leadership in science and his latest challenge as Director of the David R. Atkinson Center for a Sustainable Future. New graduate students should find this to be a useful introduction to the realm of scientific research. Running time: 64 minutes. Three alternative QuickTime versions (H.264 codec) for the web and for mobile devices are included.

Cornell YouTube: <http://www.youtube.com/watch?v=yH7BrgXBrD4>

CornellCast: <http://www.cornell.edu/video/?videoID=1916>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/28556>

A Conversation with Richard Korf: A discussion of the history of mycology at Cornell.

Organized and interviewed by Milt Zatlin 17Feb12. Abstract: Richard Korf, long-time member of the Plant Pathology Faculty in the College of Agriculture & Life Sciences, in an interview by Prof. Milton Zaitlin on February 17, 2012 described his department's early history and the early days of the evolution of mycology and plant pathology – as well as how his interest in the subject was stimulated in 1942 by his encounter with a few great teachers. He discusses the leaders of his field during its formative years. His own productive career included producing a scholarly journal, MYCOTAXON, and even in retirement still serves an editor. Among the innovations Korf instituted were the use of camera-ready submission to speed publication and a unique non-blind refereeing system. This interview is an elaboration of an article about the history of mycology that he published in 1991. His lifelong interest in the theater and acting led to his serving as Chair of the Theatre

Arts Department at Cornell at one point. To accommodate various downloading speeds, three alternative QuickTime (H.264) files (AppleTV, iPod, iPhone and computer with a QuickTime Player) are provided. Running time is 35 minutes. It is online in eCommons at:

Cornell YouTube:

CornellCast:

eCommons@Cornell: <http://eCommons.library.cornell.edu/handle/1813/28594>

William Barlow Ware Remembrance.

(William) Barlow Ware (1925–2011), the consummate Cornellian, was remembered fondly in two ceremonies in Ithaca on February 5, 2012. At St. John's Episcopal Church he was eulogized for his dedicated, exemplary service to students and alums of Cornell University, the Ithaca Rotary Club, and St. John's Episcopal Church. But his devotion to his mother, to the Cornell Glee Club, to the Cornell athletics program, especially as hockey and football announcer, and to his caregivers and other friends at Bridges were of particular significance to him. Four friends (William Rideout, John C. Nicolls, Susan H. Murphy & George Gull) presented remembrances. The Cornell Glee Club members, past and present, rendered traditional Cornell music in his memory. An informal celebration of Barlow's life was held immediately following the service at the Hall of Fame Room in Schoellkopf Hall. Both events were captured on video so his many Cornellian friends might share this remembrance. Supplementary resources plus video and audio versions for mobile devices (and for computers equipped with QuickTime or Windows Media Player) are provided. Running times: 102 and 44 minutes, respectively.

Supplement: In a 2006 interview with legendary Cornellian Barlow Ware '47, part of the Rotary Club of Ithaca oral history project, Barlow shares with Fred Antil '55, CAPE member and past Rotary Club president, his love and extraordinary commitment to Cornell and to Rotary. This video includes remarks from Rotary District Governor Mark Kriebel, and former Rotary International Director Bill Cadwallader. CU DVM."

Cornell YouTube:

CornellCast:

eCommons@Cornell: <http://eCommons.library.cornell.edu/handle/1813/28615>

The Cornell-Nanking Story **Love, Harry Houser & Reisner, John Henry**

<http://dspace.library.cornell.edu/handle/1813/29080>

The Cornell-Nanking Story describes Cornell's first technical cooperation program of international outreach—the pioneering effort whose legacy continues robustly today. This report, first released in 1963 by Royse P. Murphy, describes the very successful project in crop improvement that had been led by Harry Houser Love and John Henry Reisner in the 1920s. The present-day Department of Plant Breeding and Genetics of the New York State College of Agriculture and Life Sciences is one of the premier departments of Cornell University and continues this pioneering spirit as a lead participant in the New Life Sciences effort by Cornell University. The Cooperative Crop Improvement Program between Cornell University, through the Department of Plant Breeding of the New York State College of Agriculture, and the University of Nanking, through its College of Agriculture and Forestry – with financial support from the International Education Board – had its origin in a letter to Professor H. H. Love at Cornell from Dean John H. Reisner in Nanking under the date of February 4, 1924. The purpose of the program was two-fold, to organize and conduct a comprehensive crop improvement program, involving the principal food crops of the famine areas of central and northern China, (cotton was included later) and of equal importance, to train men in the principles, methods, application and organization of crop improvement. Dr. T. H. Shen characterized the outcomes: “The most significant results of the Nanking-Cornell-International Education Board Program for Crop Improvement in China were: (1) training a group of Chinese plant breeders for carrying on a national program of crop improvement; (2) developing better varieties of wheat, barley, rice, kaoliang, millet and soybeans showing increased yields from 10 to 20 percent more than the native varieties; (3) stimulating the Chinese government to establish the National Agricultural Research Bureau of the Ministry of Industry in 1931 which made great improvements in agricultural production in China up to 1949 through scientific research and agricultural extension services. Dr. H. H. Love, of Cornell, served as Advisor to the Bureau in 1931-1934.”

Hydrologic Discovery Through Physical Analysis Honoring the Scientific Legacies of Wilfried H. Brutsaert and Jean-Yves Parlange

<http://dspace.library.cornell.edu/handle/1813/29545>

This international symposium of May, 2012 presents a broad overview of the state-of-the-art in hydrologic discovery in honor of two legendary leaders of this process – Wilfried H. Brutsaert and Jean-Yves Parlange – upon the occasion of their retirements at Cornell University.

Herein is chronicled the evolution of the field of hydrology from an empirical study into one based upon first principles with the marriage of the experimental discovery with applied mathematics. Videos of twenty-five generously illustrated technical lectures are presented in open access format. These are grouped into organizing categories of A. Erosion, B. Boussinesq and Runoff Relationships, C. Instability and Fluid Mechanics, D. Atmospheric Radiation, E. Turbulence in the Atmospheric Boundary Layer, F. Evaporation, G. Infiltration, H. Hysteresis and Thermodynamics, and I. Open Channel Flow.

Antique Veterinary Instruments

King, John

<http://dspace.library.cornell.edu/handle/1813/30459>

Professor John M. King, professor emeritus of veterinary pathology, assembled a landmark collection of antique tools used in the early days of veterinary medicine (many from the Civil War era) and provides a guided tour of the displays of these wall-mounted instruments at the New York State College of Veterinary Medicine at Cornell University.

Lecture Notes on Nonlinear Vibrations

Rand, Richard H. 2012

<http://dspace.library.cornell.edu/handle/1813/28989>

This edition of Professor Rand's Lecture Notes on Nonlinear Vibrations extends the previous version (<http://ecommons.cornell.edu/handle/1813/79>) by including two new Chapters, respectively on Differential-Delay Equations, and on Differential Equations with Fractional Derivatives, as well as an Appendix to Chapter 6 including power series expansions for transition curves in Mathieu's equation.

Engineering Mathematics. 1964

Block, H.D.; Cranch, E.T.; Hilton, P.J.; Walker, R.J.

<http://dspace.library.cornell.edu/handle/1813/28693>

"Engineering Mathematics" by H.D. Block, E.T. Cranch, P.J. Hilton and R.J. Walker was a two volume work that was written, published and first used as a text at Cornell University in 1964. The project was a cooperative effort between the Theoretical and Applied Mechanics Department in the College of Engineering and the Mathematics Department in the College of Arts and Sciences. The work was very novel at the time, although many of its innovations have become commonplace nowadays. In particular, the work involved the unusual step of interweaving linear algebra and differential equations (both ordinary and partial). Also unusual was the inclusion of engineering applications and computer simulations. Related topics such as vector field theory, complex numbers and infinite series were also treated. The book continued to be used as the text for a year-long sequence of sophomore engineering mathematics, Math 293-294, well into the 1970's. Eventually other authors produced books which combined linear algebra and differential equations, and "Engineering Mathematics" by Block et al. ceased to be used as a text at Cornell.

Plant Biomechanics : An Engineering Approach To Plant Form And Function.

Niklas, Karl J., 1992

<http://dspace.library.cornell.edu/handle/1813/28577>

The aim of this book is to explore how plants function, grow, reproduce, and evolve within the limits set by their physical environment. It was written in the firm belief that organisms cannot violate the laws of physics and chemistry and that knowing how these laws operate and confine the organic expression of size, form, and structure is essential to understanding biology. This perspective is shared by a number of disciplines physiology and ecology to name just two and traces its conceptual roots to the principal concerns of early comparative morphologists and anatomists. It differs only slightly from the bulk of biology by its emphasis on using the principles of physics and engineering to answer fundamental questions about the relation between form and function, but it clearly defines the intellectual scope of what has become known as biomechanics a discipline that operates at the interface between engineering and biology.

A Conversation with Robert Hughes – Interview by Ben Widom Hughes, Robert with Widom, Ben

<http://dspace.library.cornell.edu/handle/1813/30386>

Robert E. Hughes recounts his life-journey covering his early years in NYC, military service, higher education and post-Ph.D. work, his time at Penn and his return to Cornell. He oversaw the highly-regarded Materials Research Center at Cornell and then pursued a national leadership role at NSF and as President of Associated Universities Inc., an organization that oversaw Big science in the US. Running Time: 88 minutes

Antique Veterinary Instruments King, John M

<http://dspace.library.cornell.edu/handle/1813/30459>

Professor John M. King, professor emeritus of veterinary pathology, assembled a landmark collection of antique tools used in the early days of veterinary medicine (many from the Civil War era) and provides a guided tour of the displays of these wall-mounted instruments at the New York State College of Veterinary Medicine at Cornell University.

Chaos, Levitation and Sculpture: Overlapping Circles of Creativity Moon, Francis C.

<http://dspace.library.cornell.edu/handle/1813/30389>

This is lecture, given in spring 1996 as part of Prof. James McConkey's cross-disciplinary course on Mind and Memory. Prof. Frank Moon presents a lecture/demonstration on his pioneering work on magnetic levitation of trains utilizing superconductors, his extensive research in chaos and nonlinear vibrations and his passion for sculpturing using several media. He connects these disparate interests by the connecting framework of twelve steps in the creative process:

- I. History - Memory – What went before?
- II. Learning Skills – Practice and patience
- III. The Quest – A vague vision or goal
- IV. Gathering Facts and Ideas
- V. The Struggle – Passion, discipline, order
- VI. Serendipity – Some chance or chaos
- VII. Cross Stimuli - Many projects are good
- VIII. Sweating the Details – Boring!
- IX. Recognizing Quality – When is it done?
- X. Presentation - Selling, offering the work
- XI. Once Is Not Enough – Entropy lives
- XII. Pass It On – Teach another, memory again!

Professor James McConkey's course , which was open to the public, had weekly guests from the various disciplines in the arts and sciences, faculty members and others who discussed the process underlying their research, or their work as creative or performing artists. Running Time: 78 minutes

Proceedings of the 6th International Conference on Computation of Shell & Spatial Structures (not listed earlier)

<http://dspace.library.cornell.edu/handle/1813/11516>

Proceedings of the 6th International Conference on Computation of Shell & Spatial Structures:
IASS-IACM 2008 - "Spanning Nano to Mega" 28-31 May 2008, Cornell University, Ithaca, New York, USA

Consistent with the earlier conferences in this series, especially the two most recent under the joint auspices of the IASS and the IACM, the objective of this Sixth Conference was to provide an international forum for the presentation and discussion of recent advances on all aspects of analysis and design of shell and spatial structures. In particular the intent was to reflect the state-of-the-art advances in computational methods in mechanics, software development, and engineering practice in this area. An additional goal was a broad perspective by addressing advanced structural concepts and methodologies in a general context rather than concentrating only on models of selected structures.

John F. ABEL, General Chair of IASS-IACM 2008 and Co-Editor
J. Robert COOKE, Co-Editor
Ithaca, October 2008

History and Biography Interviews IN PROGRESS

Numerous oral history interviews are in progress:

The Arecibo Observatory
Chemistry and Chemical Biology, and
Civil and Environmental Engineering

Agricultural Economics at Cornell: A History, 1900-1990. Stanton, Bernard F. (“Bud”)

<http://ecommons.library.cornell.edu/handle/1813/2094>

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. 2001. 23.86 MB

A professionally printed version may be obtained by contacting the department at <http://aem.cornell.edu/news/stanton/stanton.html>

Keywords: 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

Animal Husbandry at Cornell: A History and Record of Development from 1868 to 1963. Turk, Kenneth

<http://ecommons.library.cornell.edu/handle/1813/1519>

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. 1987. 37.66 MB.

A print on demand of these books and articles can be obtained from Cornell Business Services (CBS) Digital Services by sending e-mail to digital@cornell.edu or calling 607.255.2524. In the body of the message include the identifier.uri for the book or article, and ask to be contacted regarding payment.

Keywords: Animal Husbandry, Cornell University, Agriculture, Animal Culture, Study and Teaching

Animal Science at Cornell University 1963 - 2000: Observations and Reflections of an Insider. Elliot, John Murray

<http://ecommons.library.cornell.edu/handle/1813/318>

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.cornell.edu), rather than including it in the new volume. Although individual faculty members have received numerous local, regional, national, and international awards recognizing their superior accomplishments in research, teaching, and extension, no attempt has been made to develop an exhaustive list of such honors. Where deemed appropriate, however, many of the more important of these awards are woven into the narrative. The present effort also differs from Ken's in many other respects and is more accurately described as "observations and reflections" than as "history". No doubt many items worthy of note during that and especially other time periods have been overlooked. 2001.

A professionally printed and bound version may be obtained by contacting: Department Chair's Office, Animal Science Department, 149 Morrison Hall, Cornell University, Ithaca, NY 14853

Keywords: Animal Science, Cornell University, Agriculture, Department History, 1963 thru 2000, Teaching, Research, Extension, Facilities, Academic Highlights, Faculty, Courses, Degrees Awarded,

The Cornell Physics Department: Recollections and a History of Sorts. Hartman, Paul L.

<http://ecommons.library.cornell.edu/handle/1813/2093>

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. 1993. 22.6 MB.

A professionally printed version of this 359-page book may be purchased through Cornell Business Services (CBS) Digital Services by sending e-mail to digital@cornell.edu or calling 607.255.2524. In the body of the message include the identifier.uri for the book, and ask to be contacted regarding payment.

Keywords: Physics Department, Cornell University, Departmental History, Academic Highlights, Faculty

Food Science at Cornell University: A Century of Excellence, 1902-2002. Bandler, David K.; Holland, Robert F.

<http://ecommons.library.cornell.edu/handle/1813/353>

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. 2002. 7.9 MB.

A print on demand of these books and articles can be obtained from Cornell Business Services (CBS) Digital Services by sending e-mail to digital@cornell.edu or calling 607.255.2524. In the body of the message include the identifier.uri for the book or article, and ask to be contacted regarding payment.

Keywords: 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,

The School of Chemical Engineering at Cornell : a history of the first fifty years.

Smith, Julian Cleveland

<http://ecommons.library.cornell.edu/handle/1813/7721>

This is a history of the School of Chemical Engineering at Cornell University, from the time of the School's founding and establishment as part of the College of Engineering in 1937-38 to the present, fifty years later. 1998. 171.84 MB

Cornell Engineering Histories Volume 1

Keywords: Cornell University History, Chemical Engineering

A Pioneering Department: Evolution from Rural Engineering to Biological and Environmental Engineering at Cornell University, 1907 - 2007

Furry, Ronald B.

<http://ecommons.library.cornell.edu/handle/1813/7642>

Why does a Department of Biological and Environmental Engineering exist at Cornell University and what was the vision of those who saw the need? This book explores the beginnings and growth of Biological and Environmental Engineering at Cornell University in Ithaca, NY over its first 100 years, starting with excerpts from the historic legislation that made it possible, next relating the beginning of agricultural engineering and the important contributions that Cornell University had in pointing the way in this new field, and summarizing the department's first century of service through its teaching, research and Extension programs. Also included is a description of the struggle to obtain appropriate facilities, a look at the people who helped make the Department a national and world leader in the field, along with a benchmark of current activity as the department enters its second century. Illustrations remind the reader of "the good old days", as well as how time has brought about transformations to the present. 2007. 15.01 MB.

A professionally printed version of this 188-page book may be purchased through Cornell Business Services (CBS) Digital Services by sending e-mail to digital@cornell.edu or calling 607.255.2524. In the body of the message include the identifier.uri for the book, and ask to be contacted regarding payment.

Keywords: Agricultural Engineering, American Society of Agricultural Engineers, American Society of Agricultural and Biological Engineers, Biological Engineering, Environmental Engineering, Biomedical Engineering, Biotechnology, Cooperative Extension, Cornell University, Cornell History, Drainage and Irrigation, Farm Mechanization, Farm Structures, Local Roads, Nanobiotechnology, Rural Electrification, Rural Engineering,

Additional BEE Department History resources are online at:

<http://ecommons.library.cornell.edu/handle/1813/7636>

The Division of Nutritional Sciences at Cornell University: A History and Personal Reflections

Malden C. Nesheim

<http://ecommons.library.cornell.edu/handle/1813/14711>

Malden C. Nesheim, the founding Director of the Division of Nutritional Sciences traces the study of nutrition at Cornell from its earliest days to the present – including an emphasis upon how this interdisciplinary

study evolved from the interest and guidance by a handful of pioneering Cornell faculty in the College of Agriculture and Life Sciences and later the College of Home Economics into a thriving multi-college unit with a unique funding structure today as the Division of Nutritional Sciences. Throughout his presentation (of 106 pages) Nesheim provides a photographically richly description of the individuals who played the major roles in its evolution and had major roles in the exciting research that was conducted here. This account documents how an adaptive and flexible administrative treatment allowed this complex, multidisciplinary field to grow and thrive. A major step in its development was the creation of Savage Hall with its unique funding history and dedication with national fanfare. A major appendix of this book presents biographies of the (deceased) faculty pioneers who played prominent roles in the early years.

Evolution of Plant Breeding at Cornell University

Murphy, Royse P. and Kass, Lee B.

<http://ecommons.library.cornell.edu/handle/1813/23087>

Drs. Royse P. Murphy and Lee B. Kass prepared this 179-page account of the history of Plant Breeding—among the most distinguished academic departments at Cornell—on the occasion of its centennial. In addition to a wealth of historical data for the department and for the university and an equally impressive collection of photographs with identifications and the six living department chairs characterize the milestones that occurred during their terms of departmental leadership. This department in the College of Agriculture and Life Sciences is admired for its collegial and productive environment. Two of its graduates have been honored as Nobel laureates, notwithstanding that the work in this field is not normally considered for that honor. Find here a record of immense productivity in its teaching, research and outreach activities and its impact upon the university, the state, the nation and the countries of the world.

Keywords: Plant Breeding, Genetics, Plant Biology

See an interview with Royse P. Murphy (41 minutes) at:

Cornell YouTube: <http://www.youtube.com/watch?v=IXBHAgALtlk>

CornellCast: <http://www.cornell.edu/video/?videoID=1847>

eCommons@Cornell: <http://ecommons.library.cornell.edu/handle/1813/28286>

The eCommons site also includes a biographical slideshow, “Murph at 90” by Lee B. Kass

The Oral History Project of the Department of Chemistry and Chemical Biology

<http://ecommons.library.cornell.edu/handle/1813/3520>

The Oral History Project of the Department of Chemistry and Chemical Biology at Cornell University, led by Charles Wilcox and Kelly Strickland, presents DVDs of extended interviews with senior members of the faculty. They share their life's journey, their professional interests and their reflections about the distinctive character of their department and its nurturing environment. Their comments reveal some of the aspects that make this an exemplary academic unit. Short biographies of interviewees and interviewers are included, in addition to photo galleries and lists of publications of the interviewees. These 'Conversations' are presented as DVDs and as open-access online content. Use the blue URL links to access the online files.

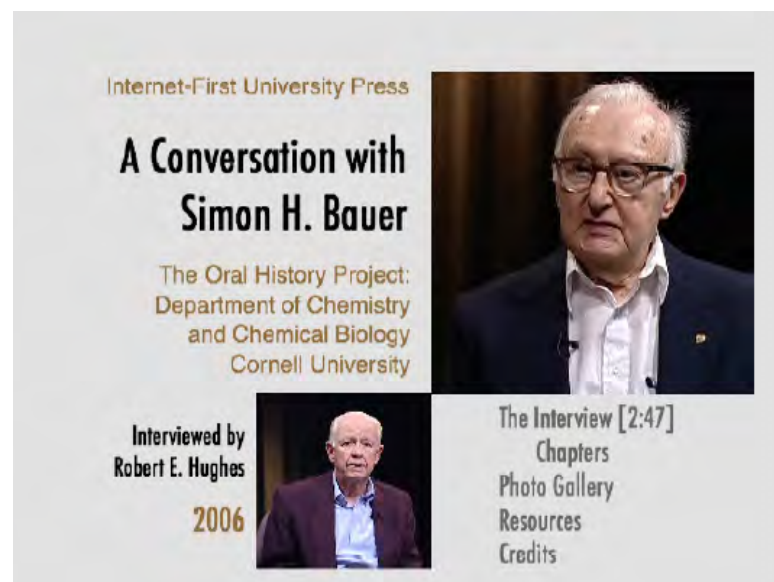
A Conversation with Simon Bauer

<http://ecommons.library.cornell.edu/handle/1813/3768>

Simon Bauer's papers deal with molecular structure determinations by electron diffraction, EXAFS and spectroscopic techniques, measurement of the physical and thermochemical properties of the boranes, kinetics of fast reactions and spectral emissions at high temperatures, as studied in shock tubes and in chemical laser systems, and models of nucleation / condensation processes.

He was a Guggenheim Fellow (1949), an NSF Senior Postdoctorate Fellow (1962) at CNRC and the Weizmann Institute, NAS Interacademy Exchange Fellow (USSR, 1966). In 1979 he received an Alexander von Humboldt Award and spent 6 months at the Max Planck Institute in Garching-Munchen.

Chapters: Early Years [1:58], Undergrad at U. Chicago [2:55], Graduate at U. Chicago [0:31], Electron Diffraction-1 [0:34], Mass Spectrometry [1:39], Research in 30's vs. present [3:33], Computers [1:13],



I.I. Rabi [1:35], Postdoc Study at CalTech [0:58], Infrared Studies [1:04], Linus Pauling [1:17], Depression Era Job [2:49], Cornell Appointment 1938 [0:55], Lynn Hoard [0:38], Teaching Qualitative Analysis [1:22], Electron Diffraction-2 [1:37], Harry Bush [1:03], Peter Debye-1 [2:51], Frank Long [1:10], Fluorocarbon [1:04], Electron Diffraction-3 [1:03], Ken Hedberg [1:18], John Kirkwood and Peter Debye-2 [4:01], Paul Flory and Peter Debye-3 [1:06], Chemical Kinetics [2:01], Impact tubes-1 [1:53], R. C. Tollman [3:37], Shock Tubes-2 [1:56], Hans Bethe [2:00], Sound Dispersion [2:36], Photoacoustic Effect [2:46], CO₂/N₂ Lasers [1:37], Shock Tube Studies-2

[10:58], Single-pulse Shock Tubes [2:07], Chemical Lasers [2:10], Polyani[2:54], Molecular Beams [1:53], Excited States [0:39], DF Lasers [0:40], UV Lasers [1:14], NMR Techniques [4:24], Formic Acid [1:34], X-ray / CHESS Studies [6:22], Heats of Formation of CH Species [3:09], Heats of Formation of Boron

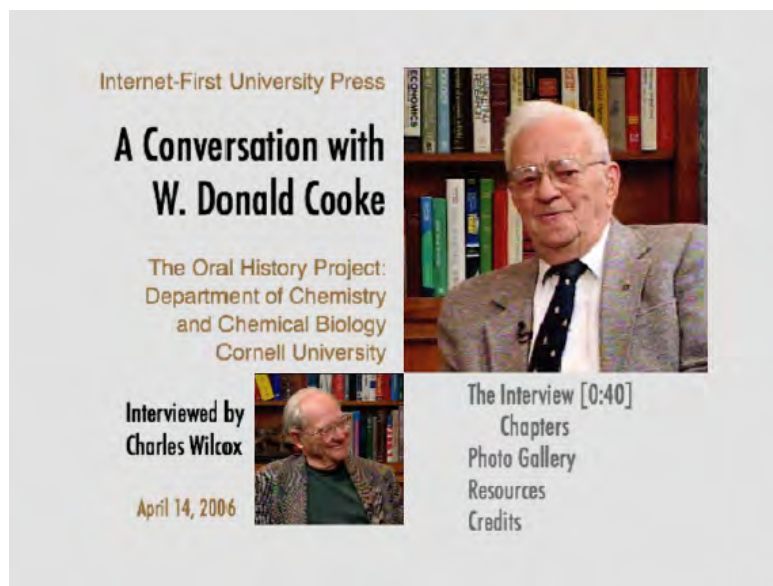
Hydrides [6:05], Electron Diffraction [2:07], Boron Hydride Oxidations [1:19], Condensation of Vapors [11:44], Shock-tube Synthesis of Amino Acids [6:09], Four-center Reactions [3:32], G. N. Lewis-Acid/Base Reactions [4:54], Instruct. Importance of Quantum Physics [11:39], Conclusion [2:15]

Total Video Run Time: [146 minutes], Interviewed by Robert E. Hughes

A Conversation with W. Donald Cooke

<http://ecommons.library.cornell.edu/handle/1813/3770>

W. Donald Cooke joined the Cornell University faculty in 1951 and advanced quickly through the ranks. He published 39 papers in Analytical Chemistry through 1970. He has held a series of administrative posts [Associate Dean of Arts and Sciences (1962-64), Dean of the Graduate School (1964-73); Vice President for Research (1969-83); Acting Provost (1974-74); Acting Chair of Chemistry Department. He was an active and effective member of the Cornell University Senate (1970-74). Because of his love of teaching he has continued an active teaching role throughout his career, even past his retirement in 1987.



Chapters: Introduction [1:31], Growing up in Philadelphia [5:17], Army Air Force [4:52], Coming Home [2:38], Graduate School at Penn [4:42], Postdoctoral at Princeton [2:00], Cornell [1:05], Research Support [0:48], Cornell – Then and Now [1:03], Regrets [1:54], 1969 – Troubled Times [3:50], Vice President for Research [1:39], Poker [0:35], Conclusion [0:32]

Total Video Run Time: [40 minutes], Interviewed by Charles Wilcox

Remembering W. Donald Cooke

<http://ecommons.library.cornell.edu/handle/1813/9462>

The IFUP published “A Conversation with W. Donald Cooke”, an interview by Charles Wilcox recorded on 14 April 2006, a year and half before his death. A segment of that was presented during the memorial held on 20 September 2007. The memorial in its entirety forms the core of the present DVD. Individual speeches by Hector Abruna, Dale Corson, Joe Ballantyne, Harold Scheraga, Fred McLafferty, Ben Widom, Tim Cooke, and a self portrait of Don’s early years as recorded on April 14 2006 excerpted from the “A Conversation with W. Donald Cooke” are part of this memorial.

Various supplemental resources are provided:

- An oral history interview with Don that was conducted on 5 January 1984 as part of Colman’s history of the College of Agriculture.

- A collection of family photos depicting Don from his earliest days to the present.

- Several additional items depict Don’s illustrious career at Cornell University:

- A selection of articles from *The Cornell Chronicle*, dating back to its founding in 1969

Photos and newspaper clippings from the Division of Rare and Manuscript Collections
Obituaries for Don and his beloved spouse, June Orr Cooke.

Speakers, 10 November 2007

Héctor Abruña, Emile M. Chamot Professor and Chair,
Department of Chemistry and Chemical Biology

Dale Corson, President Emeritus, Cornell University

Joseph Ballantyne, Professor Emeritus, Electrical and Computer
Engineering, former Vice President for Research

Video of Don Cooke Interview introduced by Charles Wilcox,
Professor Emeritus, Department of Chemistry and Chemical Biology

Harold Scheraga, Todd Professor Emeritus,
Department of Chemistry and Chemical Biology (on video)

Fred McLafferty, Peter J.W. Debye Professor Emeritus,
Department of Chemistry and Chemical Biology

Ben Widom, Goldwin Smith Professor Emeritus,
Department of Chemistry and Chemical Biology

M. Timothy Cooke, Son, Vice President,
AVANT Immunotherapeutics

In addition to the Memorial program [59:16], this DVD includes an audio of a 1984 oral history interview [1:09:00] of Don Cooke by Gould Colman, a family photo gallery depicting Don 'Through the Years', a selection of *Cornell Chronicle* articles pertaining to major events, records from the Rare and Manuscript Collection of the Cornell University Library, and obituaries.

Don was a devoted husband and father, who served in Eisenhower's War Cabinet as a meteorologist during WWII, and served Cornell University in numerous roles – consummate teacher of analytical chemistry, Associate Dean in A&S, Dean of the Graduate School, Vice President for Research and Provost.

ded by J. Robert Cooke for the
Internet-First University Press
<http://ecommons.library.cornell.edu/handle/1813/3613>
<http://itfup.cit.cornell.edu/>

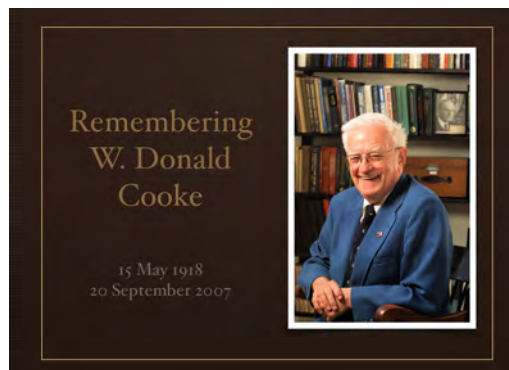
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The
Internet-First
University
Press
This DVD contains data files which
require a DVD equipped computer.
4:3 Aspect ratio

Remembering W. Donald Cooke
Department of Chemistry and Chemical Biology

10 November 2007
Cornell University

*Memorial Program in 200 Baker Laboratory
Saturday, 10 November 2007*



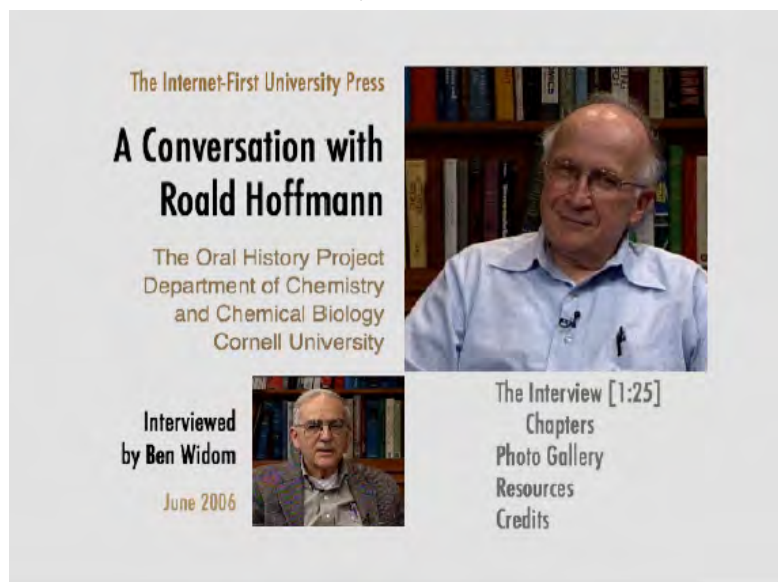
*Department of Chemistry and Chemical Biology
Cornell University*

A Conversation with Roald Hoffman

<http://ecommons.library.cornell.edu/handle/1813/3769>

Roald Hoffmann was born in 1937 in Zloczow, Poland. Having survived the war, he came to the U. S. in 1949, and studied chemistry at Columbia University and Harvard University (Ph.D. 1962). Since 1965 he is at Cornell University, now as the Frank H. T. Rhodes Professor of Humane Letters. He has received many of the honors of his profession, including the 1981 Nobel Prize in Chemistry (shared with Kenichi Fukui).

“Applied theoretical chemistry” is the way Roald Hoffmann likes to characterize the particular blend of computations stimulated by experiment and the construction of generalized models, of frameworks for understanding, that is his contribution to chemistry.



Chapters: Coming to America [6:49], High School and College [10:56], Graduate School [4:31], Extended Huckel Method [4:06], Connection to Woodward [15:12], Cornell [4:25], Nobel Prize [7:23], Current Research [8:13], Poetry [5:13], Conclusion [9:00]

Total Video Run Time: [85 min], Interviewed by Ben Widom

A Conversation with Fred W. McLafferty

<http://ecommons.library.cornell.edu/handle/1813/3771>

Fred W. McLafferty has been a mass spectrometry pioneer in such fields as gaseous ion reactions (McLafferty rearrangement), instrumentation (GC/MS, LC/MS, MS/MS), techniques (collisionally activated dissociation, neutralization-reionization, electron capture dissociation, IR photodissociation spectroscopy, top down proteomics), computer data acquisition, reduction, and identification (Probability Based Matching), reference data (600K mass spectra), and high-resolution MS/MS characterization of biomolecules and gaseous protein conformers. He has coauthored/ edited 500 publications. And he is still publishing original research papers. He is a member of the U.S. National Academy of Sciences (1982), American Academy

of Arts and Sciences (1985), and the Italian Academy of Sciences XL (2002). He has received American Chemical Society Awards in Chemical Instrumentation (1972), Analytical Chemistry (1981), and Mass Spectrometry (1989).

Chapters: Biography [13:37], Cornell Faculty [6:26], Department Changes [19:54], Industry Changes [4:48], McLafferty Rearrangement [6:46], Long View [10:51], Fourier Transform [9:21], Next Frontiers [10:46], Concluding Remarks [3:59]

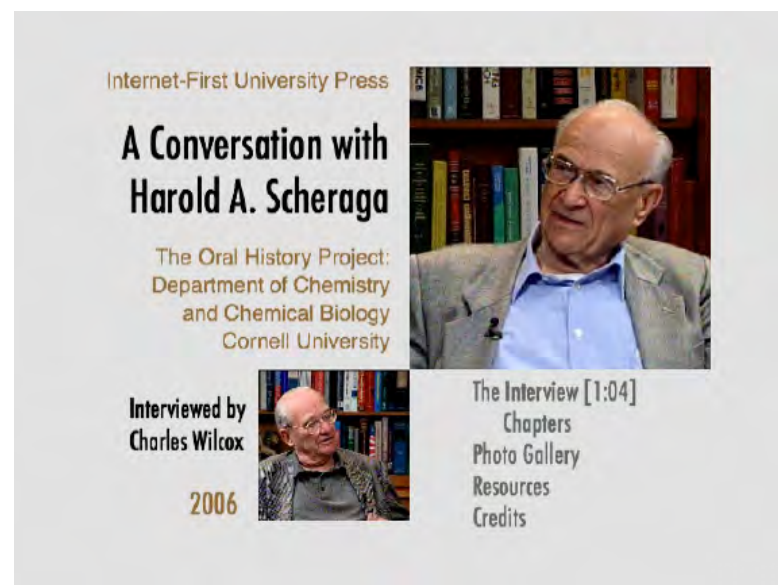
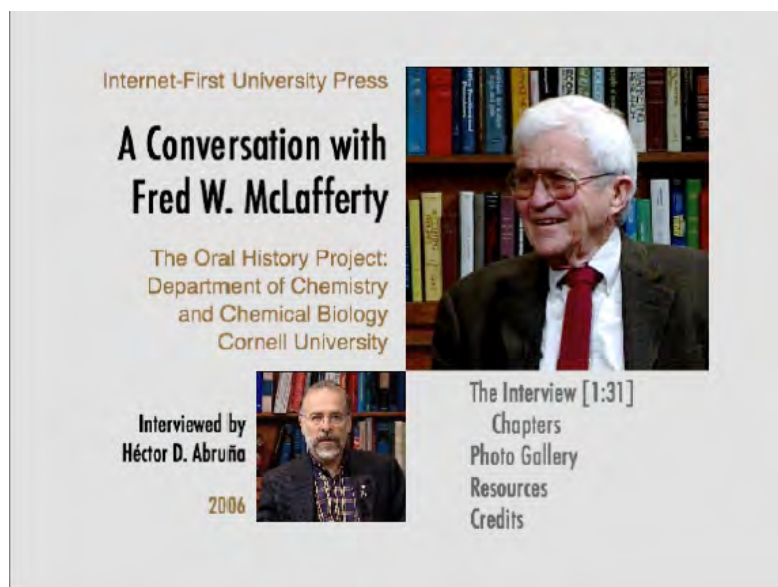
Total Video Run Time: [91 min],
Interviewed by Hèctor Abruña

A Conversation with Harold Scheraga

<http://ecommons.library.cornell.edu/handle/1813/3772>

Harold A. Scheraga remains an active researcher at age 85, with authorship (or co-authorship) of 1,173 research publications, he has established a legendary record at Cornell University. His honors include: Guggenheim Fellow and Fulbright Research Scholar a) Carlsberg Lab., Copenhagen, Denmark, 1956-57 b)

Weizmann Institute, Rehovoth, Israel, 1963 National Institutes of Health Special Fellow, Weizmann Institute Rehovoth, Israel, 1970 Fogarty Scholar, National Institutes of Health, 1984, 1986, 1988, 1989, 1990, 1991 ACS Eli Lilly Award in Biochemistry, 1957 Sc.D. (Hon.), Duke University, 1961; University of Rochester, 1988 Elected Fellow, American Association for the Advancement of Science, 1966 Elected Member, National Academy of Sciences, U.S., 1966 Elected Member, American Academy of Arts and Sciences, 1967 Townsend Harris Medal, C.C.N.Y., 1970 Nichols Medal, New York Section, American Chemical Society, 1974 City College Chemistry Alumni Scientific



Achievement Award Medal, 1977 ACS Kendall Award in Colloid or Surface Chemistry, 1978 Linderstrom-Lang Medal, Carlsberg Laboratory, 1983

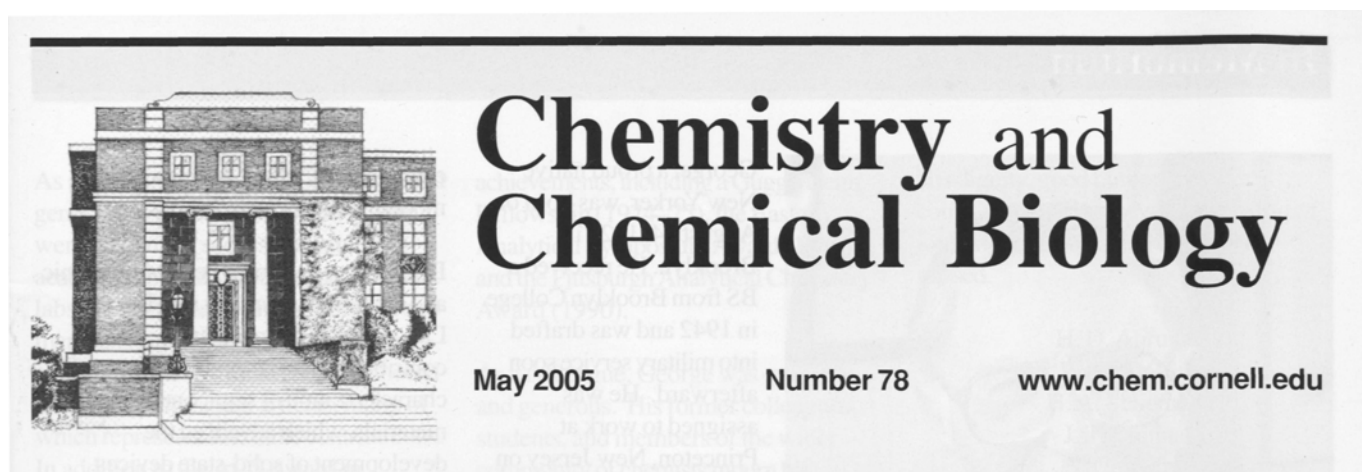
Chapters: Growing up in Montocello [5:40], War Years [7:06], Post-doctoral at Harvard [5:30], Coming to Cornell [4:21], Department Chair [12:42], Research – Structure of Water [6:40], Research – Computer Studies [9:33], Biological Significance of Global Free-Energy Minimum [6:10], Can the Protein Folding Problem Be Solved? [2:42], Conclusion [1:10]

Total Video Run Time: 64 min, Interviewed by Charles Wilcox

The Newsletter of the Department of Chemistry and Chemical Biology

<http://ecommons.library.cornell.edu/handle/1813/3065>

This is a collection of the The Newsletter of the Department of Chemistry and Chemical Biology at Cornell University, covering the period between March 1968 and May 2005.



The Internet-First University Press

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

A.I. from the Origins Up to Today **Foote, Robert H.**

<http://dspace.library.cornell.edu/handle/1813/3701>

This review of artificial insemination (AI) includes the discoveries and applications from 1677 until 1999. Emphasis is on domestic animals, documented by a selected list of 352 references. Use of AI with multiple biotechnologies is included. Four tables summarize statistics of AI in 24 countries for cattle, sheep and goats, swine, and horses. From the Proceedings of the International Symposium, Reggio Emilia (Italy). Oct. 8-9, 1999. Editors: Vincenzo Russo, Stefania Dall'Olio, Luca Fontanesi.

Keywords: Artificial Insemination, biotechnology, biological history

Artificial Insemination to Cloning: Tracing 50 years of Research **Foote, Robert H.**

<http://dspace.library.cornell.edu/handle/1813/3661>

Tremendous changes in reproductive biotechnologies of animals and humans have occurred during the past 50 years, more than occurred in the previous millenium. The book is prefaced with a short chapter emphasizing what qualities the author believes a person should cultivate in the pursuit of knowledge, and the love of sharing it with others. The following chapters describe advances in understanding reproductive physiology of cattle, horses, swine, sheep, goats, rabbits, dogs and ferrets through the research started by Professor Glenn Salisbury in 1939, and continued by others at Cornell University through 1998. Studies included research on sexual behavior in males and females, spermatogenesis and oogenesis, sperm and oocyte preservation, artificial insemination, embryo culture and cloning. Finally, and importantly is a reminder that all researchers have a great responsibility to combine high ethical, moral and research standards in the pursuit of truth. Abstracts of and references to 489 papers published from 1939 to 1998 are included. Compressed versions of the book with search indexes that can be downloaded and expanded on your personal computer are also provided.

Keywords: Artificial Insemination, animal reproduction, cloning, embryo culture, sexual behavior, spermatogenesis, oogenesis, sperm and oocyte preservation

Cornell University: Founders and the Founding **Becker, Carl L.**

<http://dspace.library.cornell.edu/handle/1813/184>

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.

Keywords: Cornell University, Founders

Education & Agriculture: A History of the New York State College of Agriculture at Cornell University

Colman, Gould P.

<http://dspace.library.cornell.edu/handle/1813/10733>

The College of Agriculture at Cornell University reveals through this history its contributions of nearly a century of continuous service.

Keywords: Cornell University, History, Education, Agriculture

Highlights in Dairy Cattle Reproduction in the Last 100 Years

Foote, Robert H.

<http://dspace.library.cornell.edu/handle/1813/3665>

The booklet is written in two parts. Part I is a general overview of the important discoveries in reproduction and reproductive biotechnologies applied to dairy cattle, written for a general audience. Part II is a technical review of the topic documented with multiple references. Emphasis is placed on the most important biotechnology, artificial insemination, with associated research on both males and females.

Keywords: dairy cattle reproduction, biotechnology

Historical Perspective in Principles of Cloning

Foote, Robert H.

<http://dspace.library.cornell.edu/handle/1813/3709>

Cloning, or asexual reproduction, is the typical way that simple organisms reproduce. However, mammals normally cannot reproduce asexually. This chapter is part of a book that traces the development of a limited understanding of cellular regeneration that led to the cloning of adult mammals. An explosion of research with stem cells and related areas has followed. This research is designed to understand cellular differentiation, and use this knowledge with the potential of greatly advancing medical practice.

Keywords: Artificial Insemination, biotechnology, reproductive biology, embryo culture, cloning

The History of Computing at Cornell

Rudan, John W.

<http://dspace.library.cornell.edu/handle/1813/82>

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.

Keywords: 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)

History of Kendal at Ithaca, 1990 toward 2000

Stanton, Lara K.

<http://dspace.library.cornell.edu/handle/1813/356>

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.

Keywords: Kendal at Ithaca, History 1990 toward 2000, continuing care retirement community, life care community, www.kares.kendal.org

The Internet-First University Press

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

M. H. Abrams at Cornell University

The Legacy of Cornell Faculty and Staff

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

Internet-First University Press

<http://ecommons.library.cornell.edu/handle/1813/14289>

A set (bound book and DVD) is available at the Campus Store and online at

<http://site.booksite.com/3635/nl/?list=CNL5>

The Internet-First University Press of Cornell University's eCommons is a digital archive for open access distribution. This content is also available from [The Store](#) in the more traditional physical forms (DVD and bound book) for a modest user fee. This approach makes this work available to anyone in the world with an Internet connection and obviates the need for libraries (or indeed, individuals for personal usage) to acquire, catalog, and store this content. However, redistribution and all other rights remain with the copyright holders. The IFUP was founded by J. Robert Cooke and Kenneth M. King.

The 95-page book: This collection of articles provides a glimpse into Mike Abrams' role in and impact on the Cornell Community and on the larger community of scholars. We present them as a tribute to Mike Abrams in celebration of his continuing role as an inspiring teacher, a highly influential scholar and literary critic, and as a person who played a major role in defining the great literature studied by students throughout the world. Portraits of Mike Abrams by president emeritus Dale R. Corson are a special feature.

The DVD: An important part of this portrait of Mike Abrams can best be told through multimedia, so an associated 2-disc DVD has been produced so you might see and hear him giving public lectures and being interviewed.

DVD-ROM: In addition to video content, Disc 1 contains three books (in PDF format): *M. H. Abrams at Cornell University*, *High Romantic Argument* (essays presented at a 1978 symposium held in honor of Mike Abrams), and Mike's undergraduate honors thesis (1934) at Harvard, *The Milk of Paradise*. In addition, [audio recordings of an interview](#) (2008) with Mike Abrams by Jonathan Culler and Neil Hertz and a lecture presented on June 9, 2005 at a Cornell Reunion Weekend.

Videos: *Disc 1* contains an account of how the Cornell University Library came to have an important James Joyce Collection. The process of acquisition is described in an [Abrams lecture \(audio, 35 min., June 2005\)](#) sponsored by the Cornell University Library at Reunion Weekend of 2005 and repeated at [Kendal at Ithaca \(video, 51 min. August 2005\)](#). The introductions of Mike Abrams (video, 4 min. each, Jan. 2007) by [President Skorton](#) and by [Professor Jonathan Culler](#) at the inaugural lecture event by Sandra Gilbert, the first holder of the M.H. Abrams Distinguished Visiting Professorship, are included for their characterizations of the contributions of M. H. Abrams. Finally, Professors Jonathan Culler and Neil Hertz [interview Mike Abrams in 2008 \(audio\)](#). [Disc 1 running time is approx. 162 minutes]

Disc 2 contains two 2008 presentations sponsored by the School of Continuing Education and Summer Sessions: [An Interview by Dean Glenn Altschuler](#), (48 min., May 2008). A few months later (July 2008) at age 96, Mike delivered an eloquent public lecture, [On Reading Poems Aloud](#), in Statler Auditorium with an introduction by Charles W. Jermy, Jr. (77 min.). [Disc 2 running time is approx. 125 minutes]

About a week later and as part of a separate project, Mike Abrams and Professor Walter LaFeber participated in a critique of the Legacy of Dale R. Corson, with attention to the many dimensions of Corson's Cornell experience. <http://ecommons.library.cornell.edu/handle/1813/13191>

The book and the DVD were produced by J. Robert Cooke

- *Specific Abrams Legacy links:*

The 95-page book: *M. H. Abrams at Cornell University*

<http://ecommons.library.cornell.edu/handle/1813/14292>

The 2-disc DVD: M. H. Abrams at Cornell University

<http://ecommons.library.cornell.edu/handle/1813/14289>

A set (bound book and DVD) is available at the Cornell Campus Store and online

<http://site.booksite.com/3635/nl/?list=CNL5>

Cornell Chronicle. 18 Feb 2010. Abrams' legacy collected in print, multimedia and online. by Daniel Aloï

<http://www.news.cornell.edu/stories/Feb10/AbramsLegacy.html>

The Cornell Alumni Magazine: "Multimedia Tribute to Mike Abrams" by Jim Roberts

http://cornellalumnimagazine.com/index.php?option=com_content&task=view&id=700&Itemid=56&ed=16

The Cornell Sun: "Professor Abrams Honored With Compilation Book and DVD" by Dan Freedman

<http://cornellsun.com/section/news/content/2010/02/17/professor-abrams-honored-compilation-book-and-dvd>

Quantum Physics Made Relatively Simple

<http://ecommons.library.cornell.edu/handle/1813/3762>

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

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

- *This content was implemented as a website.*

Three Lectures by Hans Bethe

<http://bethe.cornell.edu/>

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

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

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

Remembering Hans Bethe

<http://ecommons.library.cornell.edu/handle/1813/3763>

"Hans A. Bethe, who discovered the violent reactions behind sunlight helped devise the atom bomb and eventually cried out against the military excesses of the cold war, died late Sunday. He was 98, among the last of the giants who inaugurated the nuclear age." William J. Broad, New York Times, March 8, 2005.

Remembering Hans Bethe makes available a collection of more than five and one half hours of videos of one of the legendary figures of physics of the past century. [Bethe interprets the transcripts](#) of secretly recorded conversations of interned German atomic scientists when they first heard of the use of the atomic bomb. [Hans Bethe \(pronounced BAY-tah\) and Robert Wilson](#), a co-participant in the Manhattan Project discuss the development of the bomb. In 1993 [Bethe and friend, Victor Weisskopf](#), fondly reminisce about their early years as immigrants to upstate New York. Kurt Gottfried, Physics Department Chair, moderates these

discussions. In 1994 [Bethe describes the Manhattan Project](#) for Cornell students, after being introduced by Carl Sagan, and entertains their questions.

This ‘...unpretentious man of uncommon gifts,’ as the New York Times described him, received the Nobel Prize in Physics in 1967 for his work explaining how stars shine. In 1995 his friends and colleagues celebrate his influence and the 60 years he had been at Cornell. He continued as an active and productive researcher and published original scholarship for many additional years beyond his ‘official’ retirement. A complete list of his publications is included.

At the age of 96 (!) [he discusses with a Physics faculty colleague, David Mermin](#), the early history of solid state physics.

Hans Bethe: Celebrating “An Exemplary Life”

<http://ecommons.library.cornell.edu/handle/1813/3764>

Hans A. Bethe: Celebrating “An Exemplary Life” portrays the life and works of a towering figure of the twentieth century. Dale R. Corson, President Emeritus of Cornell University characterized the breadth of Bethe’s influence: “Hans Bethe participated actively in many different communities: the world of physics, the university faculty, disarmament and national defense policy, science advice to the President. In every one of these communities his intellectual impact was enormous. In addition he was the moralist and the ethicist. He was the community’s conscience.”

This DVD presents nearly two hours of video of the September 18, 2005, celebration held in honor of Hans Bethe. Speakers included [Hunter R. Rawlings III](#), President, Cornell University; [Silvan S. Schweber](#), Professor Emeritus, Brandeis University, Physicist, historian and Bethe biographer; [Richard L. Garwin](#), IBM Fellow Emeritus, Physicist, Bethe arms control collaborator; [Kurt Gottfried](#), Professor Emeritus, Cornell University, Physicist, Bethe arms control collaborator; [Dale R. Corson](#), President Emeritus, Cornell University, Physicist, Bethe colleague; [Edwin E. Salpeter](#), Professor Emeritus, Cornell University, Astrophysicist, Bethe scientific collaborator; [Freeman J. Dyson](#), Professor Emeritus, Institute for Advanced Study, Physicist and writer, Bethe colleague; [Henry Bethe](#), son; [Rose Bethe](#), spouse; [Saul A. Teukolsky](#), Physics Department Chair, Cornell University.

The articles published in the October 2005 special issue of *Physics Today* with guest editor Kurt Gottfried are reprinted (on the DVD) and describe his early years, his personal attributes and many of Nobel Laureate Bethe’s seminal contributions to physics and astrophysics: Silvan S. Schweber, “The Happy Thirties”; John N. Bahcall and Edwin Salpeter, “Stellar Energy Generation and Solar Neutrinos”; Freeman Dyson, “Hans Bethe and Quantum Electrodynamics”; Richard Garwin and Kurt Gottfried, “Hans in War and Peace”; John W. Negele, “Hans Bethe and the Theory of Nuclear Matter”; Gerald E. Brown, “Hans Bethe and Astrophysical Theory”.

The 16-page special supplement to the September 15, 2005, *The Cornell Chronicle*, “Hans Bethe: Celebration of His Life and Times”, is also reprinted (on the DVD). http://www.news.cornell.edu/Chronicle/05/09_15_05.pdf A photo gallery (on the DVD) includes both a formal collection from the Rare and Manuscript Collection of Cornell’s Kroch Library and an informal collection of images by physicists John Negele and Michael Nauenberg.

The Corson Symposium: Strategy for a Great Research University

<http://ecommons.library.cornell.edu/handle/1813/3760>

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

Corson: Cornell Center for Material Research Luncheon

<http://ecommons.library.cornell.edu/handle/1813/3761>

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

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

The Legacy of Dale R. Corson

<http://ecommons.library.cornell.edu/handle/1813/13182>

The Legacy of Dale R. Corson captures some significant markers in the life and times of Dale Raymond Corson and his imprint upon Cornell University. His is a unique and remarkable journey.

This story is told through three videos: 1) “[Dale Corson: Cornell's Good Fortune](#)” 2) an [overview](#) by two of Cornell's most distinguished faculty members, Walter LaFeber and M. H. Abrams 3) a [wide-ranging interview](#) of Dale Corson by another former chair of the Department of Physics, Kurt Gottfried

This story is also told through [the book](#), a collection of historical documents and speeches by Corson and by many friends. This collection assembles numerous noteworthy documents and the transcripts of “[The Corson Symposium: A Strategy for a Great Research University](#)”. Enhancing this collection are numerous photographs, including two collections by the late [Sol Goldberg](#), archival images from University Photography, the Division of Rare and Manuscript Collections and George Gull.

The documents reprinted here provide insight into a renaissance in engineering and in biology at Cornell. They include thoughtful essays on issues of contemporary importance - essays about the future of higher education in general and at Cornell in particular. They illuminate the remarkable career of a brilliant, yet kind and humble man who provided able and insightful leadership for Cornell and for the nation. Corson's leadership was marked by a profound respect for those whom he led by being an astute and thoughtful listener - a concept he articulated as his principle of fences and bases.

Thanks to those who have contributed to this presentation, including: Kurt Gottfried, Walter LaFeber, and Mike Abrams for on-camera presentations; J. Robert Cooke, co-founder of The Internet-First University Press; Kenneth M. King, co-founder of The Internet-First University Press; Robert C. Richardson, co-organizer of the Corson Symposium Speakers at the Corson Symposium; Gladys McConkey, copy editor; James W. Spencer, proofreader; Valorie Adams, typist; Cynthia-Anne Robinson, for symposium transcriptions; Elaine Engst, University Archivist; Fiona Patrick and Evan Earle of Cornell University Library; Jim Roberts of Cornell Alumni Magazine; Marian and Don McPheeters of Kendal at Ithaca; Glen Palmer and Media Production Team at Cornell Information Technologies; Chad O'Shea of Cornell Business Services.

Dale Corson provided invaluable advice and assistance throughout this project - including assistance with locating the resources and verifying the accuracy of content and chronologies. His clarity of recall and his assistance with editorial matters have been amazing. Working with this remarkable person on this project and throughout all the previous years at Cornell has been a profound privilege.

The book and the DVD were produced by J. Robert Cooke

- *Specific Corson Legacy links:*

Newspaper/Magazine articles

Cornell Chronicle Sept 4, 2009

Cornell Chronicle: Legacy of Dale Corson recounted in book, DVD

<http://www.news.cornell.edu/stories/Sept09/CorsonLegacy.html>

A review by Jim Roberts in the Sept/Oct 2009 issue of the Cornell Alumni Magazine

http://cornellalumnimagazine.com/index.php?option=com_content&task=view&id=540&Itemid=64&ed=13

Slideshow summary provides a brief (11-minute) overview.

<http://ecommons.library.cornell.edu/handle/1813/13340>

The 440-page book: The Legacy of Dale R. Corson

<http://ecommons.library.cornell.edu/handle/1813/13197>

The 2-disc DVD: The Legacy of Dale R. Corson

<http://ecommons.library.cornell.edu/handle/1813/13182>

An additional paper (Dale's role in developing and deploying airborne radar during WWII) begins a second collection:

The Legacy of Dale R. Corson (Supplement One)

<http://ecommons.library.cornell.edu/handle/1813/13219>

The above are published in open access mode (i.e., no access or royalty fee for downloads)

A set (bound book and DVD) is available at the Campus Store and online at

<http://site.booksite.com/3635/>

The Internet-First University Press

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

A Conversation with Juris Hartmanis

The Legacy of Cornell Faculty and Staff

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

Internet-First University Press

<http://ecommons.library.cornell.edu/handle/1813/14289>

The DVD is available at the Campus Store and online at

<http://site.booksite.com/3635/nl/?list=CNL5>

This document contains links to video and text material relating to the distinguished career of Juris Hartmanis published by the Internet First University Press (IFUP) in the Cornell eCommons. This material can be accessed at: <http://ecommons.library.cornell.edu/handle/1813/14143>

The IFUP is a digital archive for open access distribution on the Internet. The IFUP content is available to anyone in the world with an Internet connection and obviates the need for libraries (or indeed, individuals for personal usage) to acquire, catalog, and store this content. However, redistribution and all other rights remain with the copyright holders. The IFUP was founded by J. Robert Cooke and Kenneth M. King.

Links to all of the content in the IFUP can be found at: <http://ecommons.library.cornell.edu/handle/1813/3613>. The Hartmanis material is in a section of the IFUP commemorating the *Legacy of Cornell Faculty and Staff*. Links to all the material in this section can be found at: <http://ecommons.library.cornell.edu/handle/1813/14289>.

Abstract: Juris Hartmanis is video taped in a far-reaching conversation (70 minutes) with colleague David Gries. They discuss Hartmanis' childhood and family background and his immigration to the United States. Next they trace his extraordinary career at the GE Research Laboratory, where he collaborated with Richard Stearns on pioneering research that eventually was recognized by ACM's prestigious, highest honor – the Turing Award. After having served earlier as an Instructor in Cornell's Mathematics Department, Juris returned to Cornell as a full professor and the founding chair of a new department of Computer Science. This Department was embedded in two colleges, Engineering and Arts and Sciences. Cornell was among the first Universities to establish a Department of Computer Science. His pioneering work on computational complexity blossomed into a new field and under his leadership the Computer Science department matured into a robust, national leader with a strong theoretical emphasis.

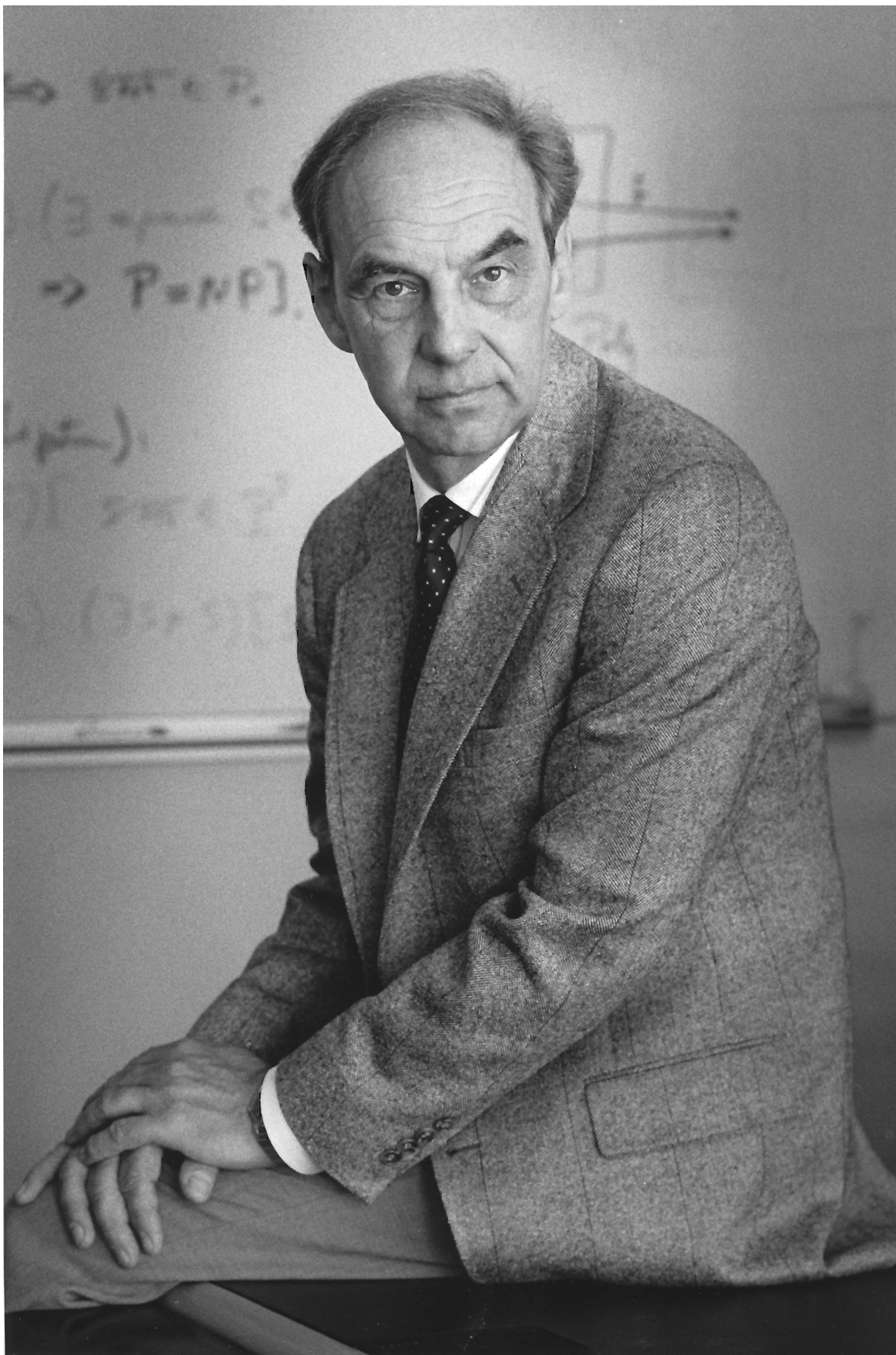
After a successful stint at the National Science Foundation leading the transition of the academic research network NSFnet to become the Internet, he returned to Cornell. At Cornell he continues an active program of research and maintains a leadership role in developing information technologies that have become a ubiquitous element across the entire Cornell academic scene.

A higher resolution version of the Hartmanis video material and related content is available on a DVD that can be purchased from the Cornell Campus store (see: <http://site.booksite.com/3635/nl/?list=CNL5>).

This DVD was produced by J. Robert Cooke and Kenneth M. King.

Some Links to Articles about Juris Hartmanis and the Computer Science Department at Cornell

1. (Appointment of Juris Hartmanis as Professor and Chairman of Computer Science.) *Engineering Quarterly*, Spring 1966, v1_n1. pp30-31. <http://ecommons.library.cornell.edu/handle/1813/2214>
2. The Nature of Information: The Province of Computer Science in the University Today. Richard W. Conway. *Engineering Quarterly*, Autumn 1973, v8_n3 pp2-7 <http://ecommons.library.cornell.edu/handle/1813/2283>
3. Computer Science is Ranked Fourth in U.S. *Cornell Chronicle*. October 12, 1978. v10_n7 p7. <http://ecommons.library.cornell.edu/handle/1813/5346>
4. Register. (Juris Hartmanis is named Walter R. Reed Professor of Engineering in the intercollege Department of Computer Science while serving his second (non-consecutive) term as department chair.) *Engineering Quarterly*, Winter 1980-81, v15_n3. pp39-40. <http://ecommons.library.cornell.edu/handle/1813/2414>
5. Cornell's Computer People: A small department looms large in devising theory for an industry. William Steele. December 1983. *Cornell Alumni News*. v86_n5. pp. 22-31. <http://ecommons.library.cornell.edu/handle/1813/3794>
6. Twenty Years of Computer Science. *Engineering Quarterly*. Autumn 1985. v20_n2 <http://ecommons.library.cornell.edu/handle/1813/2431> Twenty Years of Computer Science at Cornell. David Gries pp2-11. Immediate Computation: Or How to Keep a Personal Computer Busy. Tim Teitelbaum and Thomas Reps. pp12-18. Reaching Agreement: A Fundamental Task—Even in Distributed Computer Systems. Fred B. Schneider, Özalp Babaoglu, Kenneth P. Birman, and Sam Toueg. pp19-22. Programming Methodology: Making a Science Out of an Art. David Gries and Fred B. Schneider. pp. 23-27. Robotics and Computer Science. Dean B. Krafft. pp 28-33. Computer Architecture: The Software–Hardware Interface. Jon A. Solworth. pp.34-40. Setting an Example: Administrative Computing in Cornell's Department of Computer Science. Diane Duke and Michele Fish.. pp. 41-43.
7. Communications: Computer Science at Cornell. (Comments on the origin of the department.) Richard Conway. *Engineering Quarterly*. Winter 1986, v20_n3. p.47. <http://ecommons.library.cornell.edu/handle/1813/2432>
8. Teachers honored for excellence by students, peers. (Hartmanis:1989 John M. and Emily B. Clark Award) *Cornell Chronicle*. May 25, 1989. v20_n34. pp.6-7. <http://ecommons.library.cornell.edu/handle/1813/5356> (Next issue corrections caption v20_n35. p2.) <http://ecommons.library.cornell.edu/handle/1813/5356>
9. Register: (Hartmanis named to third (non-consecutive) term as Chair of Computer Science Department.) *Engineering Quarterly*. Summer 1992. v26_n4. p37. <http://ecommons.library.cornell.edu/handle/1813/2211>
10. Cornell's Hartmanis named to head NSF's computer science directorate. By Larry Bernard. *Cornell Chronicle* 28(4) 1996 p3. <http://ecommons.library.cornell.edu/handle/1813/10774>
11. Committee Named: Diana Daniels '71 to Lead Presidential Search. *Cornell Alumni Magazine*. September/October 2005. v108_n2. p. 9. (Hartmanis serves as member of the Presidential Search that leads to appointment of David Skorton.) <http://ecommons.library.cornell.edu/handle/1813/8183> Also: *Cornell Chronicle*. September 29, 2005. v37_n7. p2. http://www.news.cornell.edu/Chronicle/05/09_29_05.pdf
12. 40th Anniversary Symposium: Celebrating 40 years of leadership in research and education. Department of Computer Science. Cornell University. 1 October 2005. 48 pages. David Gries, Editor-in-Chief. <http://www.cs.cornell.edu/events/40years/> and <http://www.cs.cornell.edu/events/40years/all.pdf>



Juris Hartmanis

photo provided by the Rare and Manuscript Collection

Institutional Documents

Cornell University Faculty Minutes Online Collection 1868-2008

<http://dspace.library.cornell.edu/handle/1813/22426>

Faculty governance has a long and distinguished history at Cornell University – having been initiated when the first faculty was assembled in 1868 – and has remained active continuously to the present (2011). During the early years the faculty met weekly, but more recently, monthly meetings have been the norm. As the faculty grew, so has the number of faculty who actively participate in governance.

This report contains the written minutes for 2,090 meetings during the past 140 years and has resulted in a lengthy record of 16,049 pages (minutes plus addenda). The scope of the faculty's attention has varied widely over the years, reflecting changing customs and interests. This compilation is a rich snapshot of Cornell University's history and hopefully will be utilized as a resource by university historians. This resource is useful also as background in the ongoing process of governance.

All of the minutes for the academic years from 1868 to the present are contained on the DVD from Internet-First University Press as Portable Document Files (PDFs). The Online version excludes years 2009 and 2010.

The Minutes are available for browsing but there is also tools for full-text searching. The document "Faculty Governance Minutes Intro" describes how to use these tools.

Memorial Statements of the Cornell University Faculty (1868-2009)

<http://dspace.library.cornell.edu/handle/1813/19318>

From its founding, the Cornell University Faculty has had a practice of recording a tribute to its members upon their deaths. The first and second such entries in the faculty minutes were for William C. Cleveland, Professor of Civil Engineering (d: January 16, 1873) and Ezra Cornell, Founder of the University and President of the Board of Trustees from its founding in 1863 until his death on December 9, 1874. Since 1938, rather than formulating these tributes as resolutions that were adopted by the Faculty and by the Board of Trustees, these memorials have been published in a booklet that is shared with the families of the deceased faculty member and with the University Faculty. With the 1971-1972 booklet, the name was changed from "Necrology of the Faculty of Cornell University" to "Memorial Statements: Cornell University Faculty". The memorial statements are authored by colleagues of the deceased faculty member. The chair of the authoring committee (usually the last-named of the authoring committee) is identified in the Faculty Records (minutes) or in the booklets. In some of the earlier memorial statements, the committee memberships were not listed in the booklets but can be found in the original faculty minutes. Some of the earlier statements are accompanied by statements prepared at the time of the person's retirement. This book contains a Compilation of all Memorial Statements and an index.

Cornell Reports

<http://dspace.library.cornell.edu/handle/1813/7754>

Cornell Chronicle

<http://dspace.library.cornell.edu/handle/1813/5328>

The Cornell Chronicle began publication in 1969 as a weekly newspaper delivered to campus newsstands. It is a publication of the Division of University Communications and serves as the primary source of news about Cornell University. The Chronicle includes news, research and features about university programs, students, faculty and the administration.

Beginning in 1996, the Chronicle developed an online version of the print publication. In August 2009, the newspaper ceased print production and distribution, providing print-on-demand capability from their online version.

The Cornell Chronicle issues available here are volumes 1:1 (1969) through 28:7 (1996). For more recent issues, please visit the Cornell Chronicle Online.

Cornell Chronicle Vol. 26, No. 1 - No. 43, 1994-1995

<http://dspace.library.cornell.edu/handle/1813/7753>

Cornell Alumni News

<http://dspace.library.cornell.edu/handle/1813/3158>

This collection contains all published issues of the Cornell Alumni News, from Vol. 1 (1899) through Vol. 95 (1992/93).

Cornell Alumni Magazine

<http://dspace.library.cornell.edu/handle/1813/3160>

This collection contains the oldest published issues of the Cornell Alumni Magazine, from Vol. 104 (2001/02) through Vol. 109 (2006/07).

Current issues of the Cornell Alumni Magazine are available at <http://cornellalumnimagazine.com>.

Engineering Quarterly

<http://dspace.library.cornell.edu/handle/1813/2211>

This Engineering Quarterly collection of 102 issues contains 5,072 photographically-rich pages of the history of the College of Engineering at Cornell University.

ENGINEERING: Cornell Quarterly, Published four times a year in April, July, October, and January, by the College of Engineering, Cornell University, Carpenter Hall, Campus Road, Ithaca, New York 14850, beginning Spring, 1966, with Vol. 1, No. 1 and ending with Spring, 1994, with Vol. 28, No. 3.