The CEOHP collection
The CEOHP collection includes historical reflections, life stories, and materials useful to educators, historians, social scientists, researchers, and individuals in or considering computing careers. CEOHP provides encouragement for pursuing STEM careers; captures perspectives not found elsewhere; and highlights how the field of computing education has evolved over time. As of May 2011 there are 26 completed interviews in the collection.

CEOHP’s archival partner: The Charles Babbage Institute
The Charles Babbage Institute (CBI) at the University of Minnesota will curate and archive the interviews and associated materials. This will include the audio and video files, as well as the transcriptions of audio and video elements. All materials will be curated, with the associated finding aids set up by the CBI archivist. The master version of each interview will reside in the CBI archives, with the CEOHP website referring to those materials once they are available.

Evaluation activities 2010-2011
Building on the foundation of 24 interviews published by 2009, evaluation efforts during 2010 and 2011 provided the basis for upgrading the site to improve consistency and expand the content. During 2010, a series of evaluation interviews with university and pre-college computing educators provided the basis for a major upgrade to the website and presentation of the materials. Walk-throughs with project members on a regular basis identifies potential problems and improves project quality.

Project evolution
The evaluation process identified ways to improve project appeal and incorporate new technology. The site has been broken into sections to better support the needs of different types of users. The brief videos associated with the interviews are available via the new CEOHP Channel on YouTube, complete with transcripts, providing another way for the public to discover the CEOHP collection.

The website design follows strict accessibility guidelines and uses best practices to improve site navigation and layout. We are capturing the processes so we can minimize our reliance on one person’s knowledge for project progress. We have incorporated quality standards for both the technical aspects of the project and the content, to ensure consistency and usability.

Growing the collection
To fully process a new interview is a resource-intensive process. As a result, it is vital to prioritize among the pool of possible interviewees as we carefully build the collection. At the same time, given the lack of travel budget, there is an opportunistic aspect to the work, so that interviewers often take advantage of convenient access to interviewees whose stories are appropriate additions to the collection. There are several considerations for the strategy for growing the collection: What is the “right” way to grow the collection? Who should be added? What are the priorities?
Pedagogical materials and teaching tools for CEOHP

A goal of CEOHP is to inspire and support individuals considering or pursuing computing careers. During 2010-2011, several pre-college educators have provided advice and contributed ideas for teaching tools to improve the pedagogical value of the CEOHP site. The following elements contribute to this aspect:

- **Teaching materials**: The teaching materials, in the form of lesson plans, are designed to encourage students to explore the interviews. Currently, the materials section includes three different activities: a jigsaw activity (small group work), a flash card activity, and essay questions. As appropriate, each activity includes sample handouts, templates for grading, a discussion of teaching objectives, and connections to content standards. All teaching materials will be indexed on the CSTA teaching repository, a new point of access to the collection.

- **Essay Question Ideas**: The essay questions build on statements from the interviews. The goal of the questions is to encourage students to think deeply as they write about particular issues.

- **Notable Quotes**: For each interview, we have identify a set of statements that amuse, intrigue, or inspire us. The summary of notable quotes is a rich point from which to begin browsing through the interviews.

- **Literary References**: Many interviewees have mentioned literary references, such as books they have read for fun or used in teaching, or films used in class. These ideas can be adapted for classroom use.

- **Cloud Views**: Using word clouds and tag clouds, the meanings and themes from the interviews can be represented in a creative manner. This work-in-progress includes descriptions to help teachers adapt these techniques.

Research aspects of CEOHP

This work has required us to adapt the techniques of oral history research. The central ideas and procedures were captured in two ITiCSE Working Group reports (2005 and 2008) published in *inroads – SIGCSE Bulletin*. The CEOHP website addresses the following areas:

- **The protocols and techniques** that emerged from the 2005 ITiCSE working group’s efforts and have evolved over the years with experience.

- **The legal issues**, including forms for securing informed consent (pre-interview), capturing background information (both private and public), and transferring rights to the project (via Deeds of Gift for both interviewees and interviewers).

- **The archival plans** reflect work with the Charles Babbage Institute as we establish the long-term archival home for the CEOHP interview materials.

- **The CEOHP reference pages** include a categorized list of publications related to CEOHP and a page that summarizes the outside references we have used in various documents, including the 2005 and 2008 ITiCSE working group reports.

- **The evaluation process** describes the steps used to improve the quality and usefulness of the collection.

- **The analysis approaches** reflect the paths we have explored for studying the collection and discovering themes and commonalities across the interviews.

Project supporters

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