Descriptive Summary

**Title:** World Wide Web at SLAC, 1991-1999

**Collection number:** 2000-072

**Creator:** Various Staff

**Extent:** 5 cubic feet

**Repository:** Stanford University. SLAC National Accelerator Laboratory. Archives & History Office

Administrative Information

**Access Restrictions:** The US government materials are restricted until they are 30 years old; Stanford administrative records are restricted until 20 years old. Portions of this collection are open for research; materials must be requested at least 5 working days in advance of intended use. Unprocessed records are open only to the records creators. Other restrictions on access may apply to records of a sensitive or confidential nature, or to records relating to ongoing research programs and activities.

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**Provenance:** This collection documents the history of the first website in the United States. It is an artificial/aggregate collection, composed of items from a variety of sources. The collection consists of 10 document boxes and 1 oversize print box of materials, some being originals gathered from the records creators and some being documents which are contemporary printings from vintage files recovered from original backups.

**Preferred Citation:** Archives and History Office, World Wide Web at SLAC Collection. Series title, Subseries title, container number, folder title. SLAC National Accelerator Laboratory, Stanford CA.

**Processed By:** Pennington Ahlstrand. This work was supported by the Department of Energy contract DE-AC02-76S-F00515.
Content Description

This collection was started in 1996 by SLAC archivist Jean Marie Deken, who began discussing with some SLAC employees the importance of documenting the first United States website. Employees who were involved early in the website process called their ad hoc group the “WWWwizards.” The collection includes information from early collaborators Louise Addis, Les Cottrell, Tony Johnson, Paul Kunz, Bebo White and Joan Winters, as well as “Wizards” meetings’ documentation. Also included are contributions from Jean Marie Deken, Kathryn Henniss and Patricia Kreitz, who have collaborated on promoting and preserving SLAC’s web history. Missing from the collection is information from wizards or contributors Mark Barnett, George Crane and Terry Hung. There is also a gap of succinct information about the initial development of SPIRES-HEP.

Early collaborators were primarily interested in making SLAC’s high-energy physics preprints (SPIRESHEP) database available to the entire physics community, and the World Wide Web (W3, web) seemed a good way to offer anonymous access. Prior to web access, researchers around the world would contact SLAC and be assigned an email account from which they could query HEP and receive title, author and abstract information. Researchers could then contact the author for a full copy of his or her paper. Louise Addis stated in a 2000 First Monday interview that the web was a better solution for remote access to HEP than a custom X-Windows program.¹

WWWwizard Joan Winters took an early interest in preserving and restoring files. Many early webpages and her preservation processes are well-documented in section II of this collection. README files written by Winters thoroughly explain the provenance and contents of the files in each directory. The majority of files in the 1992 directory were printed. Files from 1993-1998 are generally represented by printed directories and README files only. The “r1” number indicates from which tape cartridge the files were recovered. Most of the following descriptive information relating to files and web pages in this guide is summarized from the Winters README files. Throughout these files, Winters explains how and when she recovered “snapshots” she had taken in the form of backups of SLAC’s website. These recovery operations were done in different operating systems (CMS, UNIX) at different times, with different results. As much as possible has been printed and preserved here. Most recovery operations were conducted in 1998.

Also included are some materials originally gathered as research for documenting that SLAC had indeed created the first US website. This documentation consists of web history materials and publications by people such as Tim Berners-Lee, the web’s inventor.

Scope Note

The items in this compilation are notable for their documentation of the development of the first website in the United States. Several people at SLAC were involved in using the web to transform access to the HEP database from email queries to online GUI availability. The collection consists of documents and one artifact housed in 10 document boxes. Eighty percent of the collection was aggregated from early collaborators and 20% consists of contemporarily printed pages from vintage files that are still available (2001) at SLAC. Documents are generally filed chronologically to best represent SLAC’s web growth and development.

Records Series and Descriptions

I. Personal documentation of the history of WWW at SLAC (from the WWWwizards, etc.)
   A. Publications & presentations in chronological order [may include code]
   B. Correspondence and notes/minutes in chronological order

C. Other, including biographies and recollections
II. SLAC pages (code and screen prints—selected files and subdirectories) and SPIRES-HEP development documentation
III. General SLAC web work, W3CC and non-SLAC publications
## Container List

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<td>1992: Overview of the High-Energy Physics Databases Managed by the SLAC Library (SPIRES at SLACVM)</td>
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<td>1992: HTML of The SLAC Wizards webpage</td>
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1994: FreeHEP
1994: (with Pat Kreitz) A Utilitarian Introduction to the World Wide Web
1994: Spinning the World Wide Web
1994: WWW Technical Committee Report

Kunz, Paul F.
A. Publications & presentations
1992: Trip Reports
1991-1998: Correspondence

White, Bebo.
A. Publications & presentations
1993: Comparing WWW and gopher. [Includes transparencies.]
1993: Global Hypertext [transparencies], SHARE presentation
1993: SPIRES Workshop. Agendas, notes & transparencies
World Wide Web [color transparencies from CERN presentation]
B. Correspondence & notes/minutes
1992: WWW digest
1992: Correspondence re: SGML for URL’s (Dan Connolly)
1993: WWW Tech group minutes, notes, correspondence
1993: Correspondence
1993: WWWwizards notes, minutes, correspondence
1994: WWWwizards notes, minutes, correspondence
1994: SIGweb correspondence
1994: SLAC Web User Group (SWUG) minutes, notes, transparencies

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1991-1993: Paul Kunz’s NeXT archives directory
1992: CERN homepage (links to SLAC page)
1992: Earliest backup of WWWTEST 191
1992: More on the XCOMPARE command
1992: Earliest backup of WWW HTML code
1992: Earliest backup of WWWTEST 192
1993-1995: HTML code for early SLAC placeholder page
1993: B-Factory Site Selection Announcement
1994: Screen print of SLAC home page
1994: Screen print of SLAC wizards page
1995: Log page
1995: (with Kathryn Henniss) Evolution of the SLAC Central WWW
2000-072
Special Collection. World Wide Web
4/22/2010 SLACARCC#411

Pages

14
1995: (with Kathryn Henniss) 1) Questionnaire on SLAC WWW Core Page Redesign and 2) Summary of Recommended Elements for all SLAC WWW Pages [3 copies of each]

15
1995: (with Kathryn Henniss) Notes for Evolution of the SLAC Home Page

16
1995: Screen print of SLAC “playpen” and correspondence

17
1995: Screen print of SLAC map page

18
1996: Screen print of SLAC page design

19
1996: Trip report for InterLab ’96 conference

20
1996: Designing the SLAC information architecture

21
1996: System clean-up log

22
1996: Screen print of major system changes to SLAC pages

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1997: The Evolution of the SLAC Homepage: a workplace for users

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1997: (with Sandy Moy) Two Approaches to Designing Web Information Architectures

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Screen print of description of INSTALL command

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2000: Screen print of About Archive Space on Windows NT IIS

B. Correspondence

27
1991-1996: Correspondence re: SLAC being the first US website

28
1994-1996: Correspondence re: web servers

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1994-1996: Correspondence re: WWW history

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1996: Correspondence re: backup tapes of early WWW

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1997: Correspondence with Deken re: minidisk information

33
1999: Correspondence with Gillin re: first US website

II. SLAC pages and SPIRES-HEP development documentation

4 1 2.1 Archives of WWW-Tech mailing list

2 Screen prints of SLAC core pages, 1996

3-21 SLAC pages changed yesterday, printed 08/19/1996 through 9/24/1996 [19 folders]

22 Screen prints of SLAC experiments page 02/14/1997

23 Screen prints of SLD pages, 02/14/1997


6 1-60 2.2 VM Production Pages: 1992-1994. Includes source code and screen prints for 122 early files (continued from previous box) sorted alphabetically: LAN.html through wwwstat.html.


A. 1992

7 1 […]1992/SLACVM/
The README in this file explains that the other file here, www.console possibly shows Winters’ first use of WWW, which went directly to the CERN page since the SLAC page did not yet exist.

2 […]1992/SLACVM/spicell/191/
Spicell191 is the earliest backup available, dating from January 7, 1992 and “may have been used in very early development of the experimental WWW system at SLAC.”
The term “spicell” comes from a virtual space used as a testing environment prior to www work. It is a combination of “SPIRES” and
“padded cell.”

Winters.filelist for a list of all files recovered from January 7, 1992 and the four files created in the recovery process.

Winters.jcw119 is a list of all the files on the backup tape.

Winters.ls is a list of all the files moved to UNIX.

Winters.filelist for a list of all files recovered and the four files created in the recovery process.

Winters.jcw120 is a list of all the files on the backup tape.

Winters.ls is a list of all the files moved to UNIX.

These files were recovered from a backup taken 7/8/1992. “In April 1992 the WWW and WWWTEST 192 minidisks were set up for pages as INSTALL disks. From the dates on the pages and some related files here, the development activity seems to have moved from SPICELL 192 to the WWW[TEST] 192 minidisks... CMS.PRESERVE is still a record of the environment in 11/91 when WWW was being brought up at SLAC, not a record of the migration from SLACVM to UNIX in 1998.”

These files were recovered from backups taken 4/8/1992 and 7/8/1992. Minidisk 191 contained production files.

These files were recovered from a backup taken 7/7/1992. 192 is the production minidisk. This tape is the oldest extant backup for this disk. The backup included four files from 1991:

SPIRES INDEX 12/12/91 15:59:13
HTDAEMON MODULE 12/05/91 16:03:14
RUNDACEMO 1@EXEC 11/06/91 17:03:09
RUN EXEC 9/19/91 14:19:57

This version of spires.index is probably the first “front page” that SLAC showed to the world on or before December 13, 1991. Of the 74 files on this minidisk backup, 24 were user-visible production pages. The files here should be viewed as “proto-production” at this time but distinguished from the completely “test” files on wwwwtest 192. Wwww192 was a SLAC INSTALL minidisk. Occasionally, especially in the early days, a generic userid like www or wwwwtest was used to install a file. By 1996 some of the original files (contextually obsolete) were missing.

All files in this section “are from the most recent surviving backup tape for wwww192 after Tony Johnson created the first SLAC html page... For the 130 files, 50 were visible ‘production’ pages, where a ‘page’ is a file containing html and named either HTML or INDEX. A file with @’ in its filetype is an older version of the file than was current when the backup tape was created. [...] According to the file
WWWhistory, the actual first SLAC html page was installed in the experimental 'production' system on www192 with 17 other pages...and quickly revised three times that day. Through the luck of the draw, all four files were in this backup."

"These are the oldest SLAC Web pages I've been able to find." Please see ...1992/SLACVM/www/191/... above for similar files. These files were recovered from a backup taken 7/7/1992. wwwtest 191 is the test minidisk for basic www code in SLACVM. www191 is not an install disk.

wwwtest192 is the public “test” minidisk for www pages in SLACVM, though at this time the entire www system was experimental at SLAC and there were no pages on UNIX. It's the earliest extant backup of the wwwtest192 minidisk. Of 79 recovered files, 23 were user-visible “test” pages. The minidisk contained only a subset of the entire proto-production SLAC web pages on SLACVM, the subset that was being actively changed and tested. This directory also contains a subdirectory called 1996recover, which has been alluded to in previous README files. Additional files are from the most recent surviving backup tape (10/7/1992) for wwwtest192 after Tony Johnson created the first SLAC html page. Only 3 of these 38 files were visible to the user.

B. 1993

These files date from a backup made 1/5/1993. The disk it was recovered from was a proto-production minidisk for basic WWW code in SLACVM. One of the files recovered was daemon.log, a usage logfile. Additional recovered files date to a backup done 10/5/1993. The number of files had multiplied almost sixfold, from 38 in October 1992 to over 200 in October 1993. Of the 221 recovered, some 59 were “production” pages. Production is the term used to distinguish from test pages. At this time, most pages were still being served from SLACVM but there are some finally being served from UNIX. These were recovered in 1997.

There are also files from the first backup done in 1993 on 1/6/1993. The original minidisk was a public “test” disk for pages in SLACVM. Of 120 files, 15 were user-visible “test” pages. Files labeled “corpse” are primarily then-obsolete news and log files. The README file for ...wwwtest/192/rl2981 reads “This is the remaining fall VM backup tape, taken 10/6/1993, shortly before the first publicized major installation of an ‘official’ new page structure in the central SLAC ‘production’ Web (November 19, 1993).” Winters goes on to explain about recycling tapes. Fifty-four of these 316 files were user-visible “test” pages. “Note that some pages provided for group rather than full public testing...as alternative structures were explored.”

C. 1994

This file consists of notes Winters wrote to herself in 1995, regarding the need for page maintenance. The issue arose from “dead links”—pages that may be considered dead because they have been replaced, updated or renamed, but others (CERN) still link to them. She discussed the need for “stable” addresses for things like the
SLAC Summer Institute, which changes every year, but exists every year. A static address with updated content would solve the deadlink problem.

1994/SLACVM/

“ALL on SLACVM shows 74 ‘HTML ‘ experimental production pages 2/9/97 WINTERS.” Additional files from VM backup tapes date to 1/6/1994. wwwu1test192 is the public “test” minidisk for WWW pages in SLACVM, with just a few pages being developed in UNIX. Thirty-two of the 190 files were user-visible. This minidisk contained only a subset of the entire proto-production SLAC web pages on SLACVM, the subset that was actively being changed and tested (or sometimes fossils that no one had bothered to erase). This is the earliest separate file for a graphic (SLAC seal used as an icon- slac.xbm was called from the main page but could be used on any page.)

D. 1995

[This summary is not taken from a README file.] There are several files in this directory, including an image file, some early SLAC home pages, Secretary of the Department of Energy Hazel O'Leary's memo regarding the site selection for the B-Factory project and a PostScript document describing the history of SLAC from 1962-1992. Files indicate that by early 1994, some eight other high-energy physics institutions had web pages that SLAC linked to. At this time, some SLAC-wide documents are made available in online format (e.g. personnel evaluation forms). By late 1995, the SLAC homepage has again doubled in size and contains a wealth of useful links for SLAC personnel (“this page is intended for people experienced with WWW at SLAC”) and a disclaimer notice. All of these files are printed.

In subdirectories of this section, pages are referred to as “panels.” Aerial view of SLAC “adapted” from photo and appears both as viewable image and thumbnail icon. Other files include the FY 1995 Long-Range Plan for SLAC dated February 1993, an introduction to AFS (including the phrase “This page is under construction”), a document on computing futures and an introduction to pc's that includes links to FAQ’s and references to NCSA’s “popular WWW GUI browser for pc’s.”

1995/todtw/

Selected files from the Take Our Daughters to Work day were printed from this directory.

1995/www/

Three files were selected from this directory and printed—playpen.html, wwwwintro.html and wwwwtech.html. The playpen is “to provide access to page authors’ experiments with various forms of information design,’ and is primarily used by the Wizards. The introduction page is dated June 17, 1995 and is “intended for ‘learners’ about WWW at SLAC.” Wwwwtech.html is a description of the SLAC www technical committee (ad hoc) and refers to two other documents: recommended conventions for creating new URL’s and a draft privacy memo.

1995/wwwproto08/

Two files were selected from this directory and printed—SLACintr.html and physjmw.html. The files in this directory
appear to be draft versions of files elsewhere. [missing 4/27/2010; must have been missing at time of folder numbering]

These files were recovered from backups done on 1/2/1995 and 10/3/1995. “By January 1995, a number of ‘production’ pages had already been moved from SLACVM to UNIX or they’d been created originally in UNIX so this restoration from VM backup tapes gives an incomplete picture of SLAC’s web at the time. Unfortunately, UNIX backups were kept for a much shorter time (a year?) than SLACVM backups and most have been lost. A few individual files or subdirectories, mostly near the center of the Web or relating to Web procedures, were copied into … 1995/ space as people thought about preserving them.”

These files are from the last extant backup tape for wwwtest192 before the major December 15, 1995 installation. These files were recovered in 1997. Additional files were recovered from a 1/3/1995 backup. “WWWTEST192 is the public ‘test’ minidisk for www pages at SLACVM. At this time the entire system was starting to evolve from and experimental system at SLAC to a production one. Quite a number of pages had migrated from SLACVM to UNIX in 1994 or had started out there. Just about all the rest except a number of SPIRES pages migrated in 1995... [P]ages were generally used by [accessing] the CMS search order so that the test pages displayed, when available, instead of proto-production ones on the www192 minidisk displayed.”

II. SLAC pages and SPIRES-HEP development documentation, continued

2.3 Screenprints of early SLAC pages, 1992-1998:
www.slac.stanford/archive/(continued)

E. 1996

This subdirectory is for files moved from the SLACVM node. “For the map images, see 1996/winters/pub subdirectory. This reflects the actual link structure used in proto-production for a couple of years, though the /winters/pub/www rule actually went to [winters home directory] in NFS space. It started pre-AFS.”

Printed from this directory is the 85-page (printed) www.history, listing all file actions from April 30, 1992 through January 24, 1997, and wwwtest.history, 125 pages (printed) listing file actions in the wwwtest subdirectory for the same time period.

These files recovered from a backup taken 1/6/1996. Some of the pages in this section are “pointer” pages, providing links to UNIX where the actual content pages had migrated to somewhere in the www/ subdirectory tree by this time.

Recovered files from 1/2/1996 backup.

This directory contains one file (platform.html, printed) and four subdirectories, all of which contain information about computing at SLAC, including mailing lists about UNIX and online searchable phone directories.
Les Cottrell wrote this file to describe the backup policy for the SLAC homepage and the execute file that converts relative html links to absolute ones.

These files contain the structure and content of newsworthy items for the SLAC homepage.

This directory contains 17 subdirectories—a complete backup of the SLAC web structure and contents as it was in early 1996. The subdirectories are:

- **accel**: NLC and PEP-II and their work, some files printed.
- **archive**: mirrors selected items in 1993, 1994 and 1995, directories only printed.
- **bis**: information for SLAC employees on acquisition of supplies.
- **comp**: contains information (many unprintable eps files, etc) on telecommunications, manuals at CERN, Fortran, Macintosh, email, computer support center, SLAC’s internet and intranet (includes usage snapshots and instructional material), physics tools developed at SLAC, SATAN, UNIX, AFS, mailing lists and netnews, and computing vendors.
- **emp**: employment application request form and searchable job openings at SLAC.
- **eprise**: access to DRAW database.
- **exp**: public information about SLAC experiments, including BaBar, and some restricted-access links.
- **gen**: general access to HEP, SSI, etc.
- **grp**: the websites of various groups at SLAC: Accelerator Department Documents, Operations Directives, Business Services Division, Controls Department, Associate Directors’ Committee on Computing, Particle Astrophysics, Mechanical Design, Cable Plant Tracking Database, Networking group and Technical Publications.
- **icon**: a directory of regularly-used .gif files for consistency on SLAC web pages.
- **library**: a file describing hours, location and items available at the SLAC library.
- **pubs**: a page of links to publications from SLAC, including BeamLine. [This page has been overwritten.]
- **site**: includes links to the DRAW database for searchable online released drawings at SLAC.
- **spires**: links to SPIRES forms and databases.

Much of the information in this directory duplicates what is in the SLAC subdirectory in the previous section. In the www/wwwtech/subdirectory there is a document describing the URL and file naming scheme at SLAC, as well as the Style Committee’s 1995 report.

This section contains directories that duplicates structure and content available elsewhere.

There are pages and logs of two top-level SLAC pages: detailed and
highlighted.
The README file for the subdirectory www/192/rl1245/ explains that the files date from a backup made on 1/7/1997. Of the 605 files on the SLACVM 192 public production minidisk, 164 were user-visible. The rest are older versions and a few install files.
The README file for the subdirectory wwwtest/192/rl3408/ explains that the files date from a backup made on 1/7/1997.

comp: this subdirectory contains information for SLAC employees about different operating system platforms in use at SLAC.

restore0101: contains structure and content similar to that of the 1996 section restore0103. Top-level pages detailed and highlighted date from 12/26/1996 but other files in the subdirectories have been overwritten. A new directory, discourse, contains archived messages form listservs, including www-tech and www-l. Also included is a smart directory containing an experimental customizable SLAC homepage. Another directory (wwwconf97) contains information from the Sixth International World Wide Web conference held in Santa Clara, California in April 1997. Finally, xorg contains information about the ILC-TRC and NMTF groups.

G. 1998

[...]1998/
At this level, there are detailed and highlighted top-level webpages and htmllogs that date back to March 1998. Unfortunately, many of the pages begun at this time have been continuously overwritten, and the archival versions are lost. Files include a top-level SLAC welcome homepage dated 7/9/1998.

[...]1998/SLACVM/
In this directory are subdirectories containing news and reminders about the transition from VM, as well as the last VM-based disk containing SLAC web pages. One of the three backups here is dated 1/1/1998, the other two may be from as late as September of that year. “...[A]s of the major December 1995 installation, almost all production SLAC pages had moved from SLACVM to UNIX except some SPIRES and perhaps some FreeHEP?? Ones.” There is also a VM log message: “The final shutdown of VM will be on Wednesday, September 30. The system will be powered down on that day, and physical removal will begin immediately after that. Farewell VM!”

[...]1998/comp/
The two subdirectories here contain 1997-era files for online directory searching and mailing list/news group information.

[...]1998/restore0105/
This directory contains structure and content similar to that of the 1997 section restore0101. Top-level pages detailed and highlighted date from 12/27/1997 but other files in the subdirectories have been overwritten. Some directories contain information more than three years old, such as the trip reports in grp, dating from 1993. A new directory, docs, contains information from the Technical Publications department—the original has been overwritten. Also included is a history directory containing information from the Archives & History Office at SLAC, again not the original version, which has been overwritten. Finally, the xorg directory here contains information about the ICFA and IEPM groups.
This directory contains copies of the main informational pages at SLAC.

There are three subdirectories in the section: restore0105, restore0405 and summit. The third contains information from the June, 1996 DOE summit meeting. The two subdirectories of preserved files contain very little content but do include the SLAC homepage the day Dorfan's appointment was announcement and a BaBar page.

**II. SLAC pages and SPIRES-HEP development documentation, continued**


There are four subdirectories in this section. They seem to contain only items that have changed or been added since the last backup. Included are Video Reference Information, new form of email addresses, archive of computing security and policy info, email about security changes regarding passwords and access restrictions, Windows NT Security Fixes, EMAIL blocking at SLAC, SLAC Node Name Conventions and Rules, Computing Policies, Use of SLAC Information Resources and the user notice, Computer Security at SLAC, Safeguards and Security Export Controls, Unclassified Cyber Security, SLAC Remote Access Server Security Policies, Policies and Practices, mxconns.html, Changing Passwords, Suggestions for Selecting Good Passwords, Guide to Changing Passwords for SLAC Computer Users, SATAN tutorials, SLAC Firewall, Security and the Web, Archive of ESnet Network Monitoring Task Force (NMFT), and some information about moving files in UNIX.

J. SLACVM

The README file states: “I extracted individual, www-related SLACVM NEWS items from the nn00 OLDNEWS files...on the U or T-disk and named them by their individual news item number... This is analogous to the name the item had when first published... The first reference to a Web page in VM news that I’ve found is #3643 “Report from SLAC Computer Advisory Committee,” posted 9 Sep 1993 by Ilse Vinson.” The only other item in this directory is SLAC VM notebook (actually dated 1981).

K. Temp

These files relate to a NeXT-based SLAC page.

L. Other

These files are not actually found in the archive/ section but directly relate to VM migration and were originally linked to some 1998 pages. The four files are: VM migration, VM archives data—last call, the REXX language, SLAC node name conventions and rules.

2.4 SPIRES

SPIRES Presentation [transparencies]
III. General SLAC web work, W3CC and non-SLAC publications

3.1 General SLAC web work

7 Undated: SLAC WWW NeXT screen prints and html code (printed in 2000)
8 1987-1999: Memos re: SLAC publications
9 1993: SLAC site pages (transparencies)
10 1994: WWWwizards. Meeting minutes and correspondence
11 1994: BaBar pages (transparencies)
12 1994: SLAC home pages (transparencies)
13 1994: Kreitz & Raible (DOE contact): correspondence regarding software
14 1995: Henniss, Kathryn. New Directions in Technical Publications at Stanford Linear Accelerator Center
15 1995-1996: Henniss, Kathryn. ADCC presentation on three core page proposal (includes transparencies)
16 1996?: Gennari, L. Trindle. A brief history of posting at SLAC
17 1996: Kreitz, Patricia. The Library’s Databases: Migrating from VM to UNIX
18 1996: Kreitz, Patricia. Update on the Web at SLAC
19 1997: SLAC home page [color screen prints]
20 1997: Deken, Jean Marie. First in the Web, but where are the pieces?
21 1997-1998: SLAC VM migration information
22 1998: SLAC WWW three page model screen prints and html code (05/29)
23 1999: Deken’s notes from conversations with Paul Kunz
24 1999: SLAC WWW welcome page screen print and html code (03/19)
25 1999: SLAC Archives & History Office website snapshot
26 1999: Cooper, Brian. The Stanford Archival Vault: a reliable, long-term data archive
27 2000: O’Connell, Heath B. Physicists thriving with paperless publishing
28 2000: O’Connell, Heath B. The Horse that Drank: electronic communication and the high-energy physics community
29 2001: Deken & Winters correspondence about early SLAC web pages
30 2001: Deken & Yap correspondence about early SLAC & FermiLab websites

3.2 1994-1997: WWWCC Official Documents Table of Contents

1. ADCoC WSC’s proposal & documentation
2. Individual home pages policy draft
3. SLAC web security policies
4. Summary of Recommended Elements for all SLAC WWW Pages
5. WWW Style Committee Report (05/15/1995)
6. WWW Technical Committee memo to Chuck Dickens (10/05/1994) re: WSC
7. Dickens memo to WWWwizards requesting recommendations (07/20/1994)
11. Richter’s All Hands Memo (01/10/1996) re: personal/professional use of resources
12. WWWwizards Appendix (09/21/1994) SLAC WWW history
memo to Dickens
14. WWW Coordinating Committee memo (10/27/1995), incl. Charge
15. WWWCC memo (05/09/1996), re: Web Support Coordinator proposal
21. Winters memo to Henniss (02/08/1996)

1996: Correspondence, notes, policy drafts for SMART/Bulletin Boards
3 1996: TechPubs Report re: Bandwidth Conservation on the WWW
4 1996: WWW Coordinating Committee Activities
5 1997: WWW Coordinating Committee Activities
6 1997: Memo on record use and new UNIX server
7 1997: Report of the Ad-Hoc Committee on the SLAC homepages
8 1998: WWWCC memo on Ruth McDunn

3.3 Non-SLAC publications
12 FermiNews: Birthplace of the web, 1996. [Includes SLAC reactions.]
14 NARA: Documents for describing information systems and transfer of electronic records.
20 Proposal to search the Internet Archive for SLAC pages, 2000.
21 Editorial in German re: the first three webservers

10 30 Ritchie, David J. Collaborating over the web: Libraries and
Laboratories, or, The Librarian and the Webmaster, 1995.

31 Yee, Ka-Ping. A concise mathematical expression language for the web, 1999. [Announcement only.]


33 FM Interviews: Louise Addis, 5/2000


11 3.3 Non-SLAC publications, continued (in a print storage box)


Appendix:

VM Production Pages (Boxes 5 & 6)-- dates

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Subject headings/keywords:

Archive(s)
NT Digital archives
RT Archivists

Backup(s), recovered, recovery, tape

Databases
NT SPIRES, SPIRES-HEP (High Energy Physics), SLACVM

Graphic, icon

HTML (Hypertext Markup Language), .html, Hypertext, file
RT (source) code, language, markup

Information Management/Services
RT providers

Internet
BT Information retrieval system
BT Wide area networks, networking
NT WAIS (Wide Area Information System)

Librarians, Libraries
NT SLAC library
NT Virtual Library

Operating systems
NT UNIX
NT VM (VM/CMS) Virtual Machine (used with IBM system mainframes)

Pointer, link(s)

Scholarly communication
NT Publications
   NT Pre-prints, preprint
   NT E-Prints, Electronic network publishing

Web, World Wide Web, W3
BT Hypertext system
BT Internet
RT Information architecture / infrastructure / management / systems

Web manager, Webmaster, Wizard(s), WWWwizards
RT Web support coordinator

Web security
RT access restrictions, cyber security, email blocking, firewall(s), passwords, safeguards
Subject headings/keywords: (continued)

Web server(s), web servers, server
BT Client/server computing
RT Gopher protocol / server

Web site, website
   NT webpage(s), web page(s), page(s)
   NT VM Production Pages, core / central pages, panels
   NT Homepage, homepage, home page, front page
   RT screen print(s), screenprint(s), snapshot(s)
   RT log, changes

Web sites -- Design
RT recommended elements

Web site development
BT Internet programming
RT Birth, birthplace, earliest, early, evolution, first, historic, history, invented, timeline
RT experimental, playpen, proto-production, testing environment, workspace
   NT spicell