BEBO@SLAC.Stanford.EDU writes:
> We reached the conclusion that we can definitely offer
> to host the meeting given the program alternatives
> that we see now -

OK, good.

> 1) Tim and/or Robert come to CHEP and are
> willing to speak

Looks like Robert *may* be coming, and Tim will not be.

> 2) if ~1), we may be able to recruit one of
> the other speakers from the WWW
> session at CHEP; we can pursue this
> when the program is announced

OK

> 3) if ~1) and ~2) Tony would give a
> presentation on Midas

OK. Maybe we could make it something about client technology in
general by working in something about Viola and Mosaic. Unless
you want to focus on SLAC stuff....myself or someone else from
O'Reilly could talk about Viola and Marc A. could talk about
Mosaic.

Chris

Christopher McRae   mcrae@ora.com
President, SIGWEB   415/242-9623
Project Manager
O'Reilly & Associates, Publishers   510/540-6036

Received: from VMD.CSO.UIUC.EDU by SLACVM.SLAC.STANFORD.EDU (Mailer R2.08
 R208004) with BSMTP id 0944; Wed, 16 Feb 94 23:14:27 PST
Received: from UIUCVMD (NJE origin SMTP@UIUCVMD) by VMD.CSO.UIUC.EDU (LMail
 V1.1d/1.7f) with BSMTP id 8260; Thu, 17 Feb 1994 01:16:06 -0600
Received: from uxl.cso.uiuc.edu by vmd.cso.uiuc.edu (IBM VM SMTP V2R2) with TCP;
   Thu, 17 Feb 94 01:16:05 CST
Received: from newton.ncsa.uiuc.edu by uxl.cso.uiuc.edu with SMTP id AA10391
   (5.67b8/IDA-1.5 for <BEBO@slacvm.bitnet>); Thu, 17 Feb 1994 01:14:49 -0600
Received: from void.ncsa.uiuc.edu by newton.ncsa.uiuc.edu with SMTP id AA12128
   (5.65a/IDA-1.4.2 for BEBO@slacvm.bitnet); Thu, 17 Feb 94 01:14:54 -0600
Received: by void.ncsa.uiuc.edu (4.1/NCSA-4.1)
        id AA15134; Thu, 17 Feb 94 01:14:34 CST
Message-Id: <9402170714.AA15134@void.ncsa.uiuc.edu>
From: robm@ncsa.uiuc.edu (Rob McCool)
Date: Thu, 17 Feb 1994 01:14:33 -0600
In-Reply-To: "Bebo White"   <BEBO@slacvm.bitnet>
        "A Question" (Feb 10, 8:46pm)
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: "Bebo White"   <BEBO@slacvm.bitnet>
Subject: Re: A Question

```
/*
 * A Question  by "Bebo White"
 *     written on Feb 10,  8:46pm.
 *
 * Hopefully you can help me with a question/problem that I have. If I
 * get this working as I'd like, it will take care of the "bad press"
 * that SLAC gets in the Mosaic for the Mac documentation re: our
 * HTTP 0.9 server.
 *
 * How can I (assuming that it's possible) configure your version 1.1
 * server so that -
 * Given an HREF of the form HREF=blatz?a+b I want to alias to
 * http://blah.blah/blatz?a+b. For reasons you really wouldn't like to
 * hear, I do not want to give the complete URL in the HREF. What I'd
 * really like would be something of the form-
 *         Alias blatz?* http://blah.blah/blatz?*
 */
```

As long as you don't have anything else that starts with blatz, you can just
use

Redirect blatz http://blah.blah/blatz

assuming blah.blah is a different host. This will redirect the client to
the other host when they access blatz.

However, if you have an HREF=blatz?a=b and it's relative, the client will
try to resolve it from the current directory, and httpd will fall over on
that. There isn't really a way to do

Redirect *blatz?* http://blah.blah/blatz?*

We've noticed that this is a limitation in httpd, and so we will be working
in future versions to supply something that will fix this.

--Rob

Arrgh! I'm glad you hollered -- I'll have to track down your software. The uni
version is clinging to an end of March ship target. I'm pretty buried in launc
activities, so it'd probably be early April for a demo. Generally, Mondays and
Fridays after noon are pretty clear for me, although those frequently aren't
optimal for gathering people.

I demo'd Mosaic for our sales force at our annual sales meeting last month. Th
response there was terrific, and we're hearing more and more about the web fro
customers, so I think we're finally developing some real momentum on the topic

As I recall, you were supposed to get a Macintosh Starter kit, right? I'll get
right back to you.

-Pam
===

Pam,

We are still interested in an Acrobat demo as soon as
the Unix version is released (is March still the
projected release date?)

Also, I'm still waiting for my copy of Acrobat!!
--
Bebo

Lynx Ver. 2.2 is now available for anonymous ftp from
  FTP2.cc.ukans.edu   as   /pub/lynx/lynx2-2.tar.Z
                         and   /pub/lynx/lynx2-2.zip

(ftp://ftp2.cc.ukans.edu/pub/lynx/lynx2-2.tar.Z)
(ftp://ftp2.cc.ukans.edu/pub/lynx/lynx2-2.zip)

Lynx is a distributed hypertext browser with full World Wide Web
capibilities. For an explanation of features and a demo,
telnet to "www.cc.ukans.edu" and login as "www".

This release of Lynx has been compiled by me on the following platforms:

  o   IBM (AIX 3.2)
  o   DEC Ultrix
  o   DEC Alpha OSF/1
  o   Sun 4
  o   NeXT (Mine is an older version of NeXTStep, but it should work
            with newer ones too.)
  o   OpenVMS for Alpha AXP (Multinet)

This release is rumored to compile on the following platforms:
  o   HP-UX (snake)
  o   Solaris 2
  o   SVR4
  o   VMS (UCX)
  o   LINUX
  o   SGI
  o   SUN 3
  o   AIX 3.1
  o   NeXTStep 3.x
  o   SCO
  o   BSDI
  o   Apollo

Binaries for the following platforms are available:

  o   IBM (AIX 3.2, will work with 3.1 as well)
  o   Ultrix
  o   Alpha OSF/1
  o   Sun 4
  o   OpenVMS for Alpha AXP (Multinet)

A listserv list exists for the distribution of
Lynx related information, updates, and development discussion.
  o   Lynx-Dev@ukanaix.cc.ukans.edu

Send a subscribe request to listserv@ukanaix.cc.ukans.edu to
be added to the list. All new releases will be anounced on this
list. Please do not send subscribe requests to the the Lynx-Dev

list directly.

    The following new features have been added/changed:

Please see http://www.cc.ukans.edu/about_lynx/lynx2-2.html
for more details on new features.

* Interruptable I/O now completely works.
  Just hit a 'z' anytime during a transfer to abort.
  If there is a partial file to show, it will be shown.
* bold and emphasis now use curses underlining to represent
  ephasized text. The use of _underline_ chars before and after
  the text is now removed.
* added new more informative messages for form links and transfers.
* added 'd' for download current link. Can be used to force a download
  of any file.
* Command keys are now completely configureable through the
  lynx.cfg file. (thanks go to David Trueman)
* 'r' removed as a comment key. Use 'c' to comment or reconfigure
  your keys to add 'r' back in. (I would like to use 'r' in the
  future to mean remove current bookmark link)
* Added support for HTTP redirection. (I haven't tested it
  heavily because I don't know of many servers using
  redirection, so let me know if something breaks)
* Added Referer: header to HTTP request to specify the
  URI of the document from which the URI in the request
  was obtained. This allows a server to generate lists of back-links
  to documents, for interest, logging, etc. It also allows bad links
  to be traced for maintenance.
* fixed -dump and -source options so that they work for
  binary files.
* Added NNTP posting capibilities. Currently uses external inews
  program which will be included in the utils directory.
  Would someone like to patch in some freeware inews code?
* Added configurable download menu so that binary files may
  be downloaded using any protocol. Download menu is displayed
  after selecting a non-displayable file.
* added configurable character sets. Can be set in lynx.cfg,
  by the user in the options screen, or in the users .lynxrc file
  current sets are: ISO Latin I, DEC Multinational, IBM PC Character set,
  & 7 bit approximations. New sets can be added to src/LYCharSets.c
* slight change in forms user interface. For the better I hope you will
  agree. Text input fields are now active as soon as the cursor pointer
  is over them. Therefore you may begin typing into the text field
  as soon as you come to it. Tab, and up and down arrow keys will
  move off of the text input field. Return will also move to the
  next link. The only problem with this is as follows.
  If you are in the habit of using the number keys (keypad)
  the or h,j,k,l VI keys, as soon as you move over the text link
  you will begin seeing numbers or hjk or l show up in the text field.
  In other words, your movement commands are now broken :(You must
  use true arrow keys, return or the tab key to move off of the text field.
  I've tried this out and it seems to work alright. I don't think
  that users unfamiliar with this will have too hard a time figureing
  it out. Once you see numbers or letter appearing it becomes fairly
  obvious whats going on. Lynx puts a message at the bottom of the
  screen saying "use tab or arrow keys to move off of link."
* added mods by David Trueman to implement -restrictions commandline
  option. -restrictions allows a list of services to be disabled
  selectively. -restrictions takes the form of
  "lynx -restrictions=[default],[all],[inside_telnet],[outside_telnet],[shell]
        [editor],[bookmark],[option_save],[print],[file_url],[download],[exec]

    all   restricts all options.
    default   same as commandline option -anonymous. Disables

```
                   default services for anonymous users.  Currently set to,
                   all restricted except for: inside_telnet, outside_telnet, a
                   goto.  Defaults settable within userdefs.h
   inside_telnet   disallow telnets for people coming from inside your
                   domain.
   outside_telnet  disallow telnets for people coming from outside your
                   domain.
   shell           disallow shell escapes
   editor          disallow editing
   bookmark        disallow changing the location of the bookmark file.
   options_save    disallow saving options in .lynxrc
   print           disallow most print options
   goto            disable the 'g' (goto) command.
   file_url        disallow using G)oto to go to file: URL's
   download        disallow saving binary files to disk in the download menu.
   exec            disable execution scripts
   exec_frozen     disallow the user from changing the execution link
                   setting in the O)ptions menu.
* Added command line option -show_curser.  If enabled the curser
  will not be hidden in the right hand corner but will instead
  be positioned at the start of the currently selected link.
  show curser is the default for systems without FANCY_CURSES
  capibilities, and the default configuration can be changed in
  userdefs.h
* fixed bug in password handling which cuased it to be displayed
  accidentally :(  (Danny Mayer)
* Added exec links.  4 types currently defined: (* compiled out by default! *)
    files ending in:  .csh, .ksh, .sh, (for UNIX)  and .com (for VMS);
  Use exec link controls to turn on and off exec links.
* Gopher menues are now within <pre> so that spaces are not
  collapsed in menu entries.
* Ability to FTP to VMS systems. (Foteos Macrides)
* Lynx FTP now supports PASV code. (fixes to CERN (Dave Raggert?) PASV code
  from John Ellson)  It is not enabled by default.  Line 43 in
  WWW/Library/Implementation/HTFTP must be commented out for
  PASV code to be used.  This was done because not all FTP sites
  can support PASV FTP.

:lou
--
 ***********************************************************************
 *          T H E   U N I V E R S I T Y   O F   K A N S A S           *
 *        Lou  MONTULLI @ Ukanaix.cc.ukans.edu                        *
 *                       Kuhub.cc.ukans.edu      ACS Computing Services *
 *     913/864-0436         Ukanvax.bitnet          Lawrence, KS 66044  *
 *          UNIX! Cool! I know that!  Jurassic Park - The Movie        *
 ***********************************************************************
```

Received: from UCSFVM.UCSF.EDU by SLACVM.SLAC.STANFORD.EDU (Mailer R2.08
 R208004) with BSMTP id 7016; Thu, 17 Mar 94 13:23:48 PST
Received: from UCSFVM by UCSFVM.UCSF.EDU (Mailer R2.08 PTF008) with BSMTP id
 9265; Thu, 17 Mar 94 13:23:46 PST
Received: from library.ucsf.edu by UCSFVM.UCSF.EDU (IBM VM SMTP V2R1) with TCP;
    Thu, 17 Mar 94 13:23:45 PST
Received: from ora.com (ruby.ora.com) by library.ucsf.edu with SMTP id AA04951
   (5.67a8/IDA-1.5 for <sig-web@library.ucsf.edu>); Thu, 17 Mar 1994 12:55:28
 -0800
Received: from rock.west.ora.com by ruby (8.6.5/)
Received: by rock.west.ora.com (5.65c/Spike-2.1)
 id AA05731; Thu, 17 Mar 1994 11:53:51 -0800
Message-Id: <199403171953.AA05731@rock.west.ora.com>
To: sig-web@library.ucsf.edu
Cc: dia@wais.com
Subject: Need a treasurer
Date: Thu, 17 Mar 94 11:53:51 -0800
From: "Christopher J. McRae" <mcrae@ora.com>

   For the first time since we got started, we're having to actually
collect some money from our contributors. WAIS is providing $100 for
munchies for the next meeting (thanks Brewster!), and we'll probably be
getting something from others (we're asking for $225 total).
   This brings up the question of who is going to handle the money. It
would be most proper if we had an official treasurer, anyone out there
have any experience/interest? Right now the duties are minimal - receive
a check from WAIS, Inc. and buy some munchies with it. It looks like we'll
need to spend some money (if we can find some) on the April meeting at SLAC
also.
   Do we need to open a bank account? Common sense tells me that we shouldn't
worry about this until we have some money to put in it. :-) But, perhaps
I'm wrong (common sense and legality don't always go together).
   Send mail directly to me if you're interested, comments and suggestions
should go to the list for discussion.

See you all next week -
Chris

Christopher McRae   mcrae@ora.com
President, SIGWEB   415/242-9623
Project Manager
O'Reilly & Associates, Publishers   510/540-6036

Bebo,

Release forms will not be needed as this is a SLAC function (regardless
of time of time). I will update our Auditorium reservation calendar
and add you to the SLAC Events Calendar for APRIL 19th, 2-5pm SIG-Web
Meeting.

Herbert McIntye needs the details on AV/computer needs. He's x4787 or
HERBERT@SLACVM.

Nametags can be bought through the current stationery/office supply
vendor (as you get your normal office supplies).

Anything else, let me know. The more lead time the better.

Best regards,
Nina

          The difficult we do right away,
          the impossible takes a little time
          -- miracles by appointment only.

Bebo,

First, I mixed up the Cello list server's domain name and Tom's last name - it's Tom Bruce! (not Tom Fatty - don't ask me how I did it, I did).

Great. Thanks for looking into it. It sounds like we might do the voice-only without a problem. Do you know whether Tom needs anything particular on his end. I assume you guys have an echo cancellation/suppression system in place. While most of these systems don't require that the far end be any particular device (ie. Tom could use a regular - albiet quality - phone set) we should verify this. If you pass on the SLAC contact I'd be happy to follow up on this if you don't have time or inclination.

If it turns out Tom needs particular equipment, we can call him and he'll see if he can get set up (his contact info is trb2@cornell.edu, 607-255-1221 - though I'd like to stay in the loop for at least one more contact so he doesn't feel dumped on). That would resolve the "feasibility" question.

Assuming we can deal with the technical issues, what do you think about the idea of adding Tom?

As I won't be there (and in any case don't have strong feelings either way), I'd like you and Chris to make the decision as to whether we try to go forward with this.

Do you forsee any problem with having a participant on via voice-only teleconference?

Also, as moderator I'd like you to take the lead regarding panel format design -

will there be introductory remarks? how much time? any suggestions for what should be addressed in these remarks? etc

how many questions to the panelists? questions and their wording? how much time for responses? how to choose order of responses? etc

When, how many, and how much time, and how to handle questions from the audience? etc

etc.??

Chris and I will certainly help with this as much as you would like. I'd like to see what you come up with but don't feel any need to concur or otherwise have "input" on this. (how about you Chris?)

Perhaps your thinking on these types of questions could help answer the question about whether to add Tom.

Other considerations:
Would the additional panelist create too large a panel?

Should we ask the current panelists for thier feedback before inviting Tom?

Sorry, no teleconference experience, but I really think that a
speakerphone is not that awful an alternative. It is still live,
and it's the thoughts we want, not the face, right? 8>

If we want to see what Cello looks like, I am running it (ver. 1.01a)
and could show the basic functionality easily with something that
hooked up to my notebook computer (NEC Ultralite, IBM compatible,
VGA color). Of course, I am also running Mosaic 2.0alpha3
(April 7 version), and could show that as well. Let me know if
this is interesting to anyone, and I will go into the required specs
for demos. I have a SLIP account on Netcom, so connectivity would
be only at 14.4 (38.4), but that does add a certain air of reality
to demos of things.

    --Dana
--
==
Dana C. Ellingen, Electronic Commerce Consultant
415-726-9712   ellingen@netcom.com

Tom Bruce

tom@law.mail.cornell.edu

Received: by SLACVM (Mailer R2.08 R208004) id 0027;
          Mon, 18 Apr 94 14:14:30 PST
Date: Mon, 18 Apr 1994   14:04 -0800 (PST)
From: "Neal V. Adams"   <NEAL@SLACVM>
To: GEORGE@SLACVM, JONL@SLACVM
cc: SANDRA@SLACVM, BEBO@SLACVM
Subject: aix43 IBM Xterminal 130.

Folks,

Aix43 has been moved from CGB rm111 to the auditorium for a conference that
Bebo White is chairing on Tuesday, 04/19/94. The CPU, keyboard and mouse
were the only items moved. They didn't need the monitor. The IP address
is 134.79.128.51, nodename=audx1 (same address Jon setup for the B-factory
conference).

Neal

Desktop Interfaces to Information Sources on the Internet:
Perspectives from World Wide Web Client Interface Developers

SigWeb - April 19, 1994

My primary goal in this discussion is not to get bogged down in a
comparison of the available client/browser applications, but rather
to discuss general technical issues such as the following:

* how have the specific needs of a user community (if there is
          one in mind) affected the development of clients in general
          and your work in particular? With general audiences in
          mind, how will it be possible to keep clients "small?"

* in a recent SigWeb talk, Brewster Kahle of WAIS described his
          vision of network publishing with network books where
          Gopher was a prototype for its table of contents, WAIS
          was a prototype for its index and WWW was the prototype
          for the browsing mechanism. He didn't think that we're
          quite there yet - do you have a similar vision of the
          future?

* what do each of you see as the future challenges in the
          development of clients? Will the addition of password
          encryption, e-mail, news reading and posting, etc. just
          cause them to evolve into something resembling a
          networked operating system? What about the dependence
          of clients on external resources (e.g., GhostScript)?

Dana C. Ellingen & Associates
410 Laurel Avenue
Half Moon Bay, California 94019-1674

19 April 1994 SIG-WEB meeting at SLAC:

Script for slide demo of Cello:

1 - Title slide

2 - Opening screen, w/centered graphic

3 - Default document, w/out graphic

4 - Cornell's Legal Information Institute, whence Cello comes

5 - CommerceNet home

6 - CommerceNet directories

7 - CommerceNet sponsoring companies, first view

8 - CommerceNet sponsoring companies, second view

9 - GNN home

10 - GNN Directory

11 - GNN Whole Internet Catalog

12 - Sun

13 - Silicon Graphics

14 - Internet Shopping Network

15 - Stanford

16 - Stanford (closeup of graphic)

17 - Enterprise Integration Technologies

18 - Marty Tennenbaum, EIT CEO

19 - Cathy Medich, CommerceNet Director

Also available:

Comparison slides of Cello/Mosaic/Lynx, looking at the same pages.

Telephone: 415-726-9712
Facsimile: 415-726-3093

Internet: ellingen@netcom.com
CompuServe: 72441,1572

The SIGWEB volunteer corps has prepared a survey to collect
member input to aid develop of the SIGWEB organization and its
member services. Email and WWW-Forms versions are under
development.

Refreshments will be served.

Questions concerning this meeting may be directed either toward
Dave Lewis - meeting coordinator (drlewi1@pacbell.com, 510-823-2831) or
Chris McRae - SIGWEB President, (mcrae@ora.com).

SIGWEB April Meeting Time and Place

Date: Tuesday, April 19th
Time: 2:00 - 5:00 p.m.
Location:
        Auditorium

        Stanford Linear Accelerator Center (SLAC)
        2575 Sand Hill Road, Menlo Park, CA

Directions to the meeting site:
        SLAC is located adjacent to Menlo Park, west of the Stanford
        University campus at 2575 Sand Hill Road, east of highway 280.
        An area map is available at
          <http://www.slac.stanford.edu/winters/pub/www/surroundings.gif>
        for those arriving from highway 101 or from other Bay Area points.

        The SigWeb meeting will be held in the SLAC Auditorium, the
        large building directly opposite the laboratory entrance. Parking is
        available opposite the SLAC Guard House or east of the Auditorium. The
        attendant at the Guard House can give additional information regarding
        parking and auditorium access. The SLAC auditorium is wheelchair
        accessible.

SIGWEB is an organization started at the end of 1993 to facilitate
communication between practitioners of a field known generally as
Networked Information Delivery and Retrieval (NIDR) within the Bay
Area and surrounding region. Started by Chris McRae (now at O'Reilly
& Associates - mcrae@ora.com), SIGWEB has quickly expanded to include
participation by several hundred people at its monthly events. Past
events have included presentations by leaders in the development of
the World Wide Web and its client interfaces, Wide Area Information
Service (WAIS), Internet infrastructure, commercial applications of
the Internet (e.g. CommerceNet), and so on. All aspects of NIDR, from
technical details and software applications, through standards and
end-user applications are open topics of discussion. SIGWEB is an all
volunteer run group welcoming participation from all interested
individuals.

To join the SIGWEB electronic mail list, send a message to
        sig-web-request@library.ucsf.edu
Include one line in the message body,
        subscribe sig-web <your name>

As Bebo White of SLAC may have already mentioned, I will be doing a
demonstration of Cello on Tuesday 19 April for the SIGWEB group here
in the San Francisco area. Do you have any particular things that
you would like me to show, particular URLs that you think
attractive, etc.? I do plan to take some screen snapshots in
advance, just in case their telephone line does not come through, so
the sooner you can get me this information, the better. That way I
will be able to show the "look and feel" without the telephone
connection.

Thanks much. I look forward to hearing from you.

    --Dana
--
===
Dana C. Ellingen, Electronic Commerce Consultant
415-726-9712   ellingen@netcom.com

--
===
Dana C. Ellingen, Electronic Commerce Consultant
415-726-9712   ellingen@netcom.com

Desktop Interfaces to Information Sources on the Internet:
Perspectives from World Wide Web Client Interface Developers

SigWeb - April 19, 1994

My primary goal in this discussion is not to get bogged down in a
comparison of the available client/browser applications, but rather
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        encryption, e-mail, news reading and posting, etc. just
        cause them to evolve into something resembling a
        networked operating system? What about the dependence
        of clients on external resources (e.g., GhostScript)?

Fellow SIGWEB volunteers,

Here's a not I just set to Chris McRae concerning the April meeting
planning. Pretty self explanatory.

See you all soon!

Dave

ps: when's our next dinner!

Chris,

I just got off the phone with Bebo [at SLAC] and now have enough to get the
announcement out this afternoon. I'll also do my best to get it
into the SJ Mercury and Palo Alto Weekly. Any other papers that
I should call?

Bebo and I developed the title:

Desktop Interfaces to Information Sources on the Internet:
Perspectives from client interface developers.

He felt a need to stay away from being www specific. We also
thought of a different tag line:
        Perspectives from the trenches

But I think the above is more informative.

Bebo also suggested, and I see this as good, that an appropriate SLAC
person (e.g. project manager) do the following agenda item just before
the panel:

Welcome to SLAC and Overview of the High Energy Physics Community's
WWW/NIDR activities.

I think this would be a nice addition as this is the community largely
responsible for WWW emergence.

Bebo offered to moderate the panel - I say great.

He'll also take care of video (we'll get a copy of the tape), and
ice.

They have plenty of lobby and patio space for tables (SLAC to provide)
and BOF's.

In short, we're moving along nicely.

I received your comments regarding the BOF wording -fine, dashes -whoops,
etc.

I'll send a "final draft" announcement momentarily. If you could get me
feedback this afternoon I'll send the announcement before I go home.

Apparently (now this is only a rumor - started right here by me), the
Dali Lama may be coming to the talk. Perhaps an impromptu agenda item

could be added:
        Are existing WEB interfaces suffient for guided deep-self
        exploration?
or else
        Are cyberspace and innerspace converging?
or even
        Should sigweb.org host dali-lama-net?

With all respect to His Holiness,

Dave

********** April SIGWEB Meeting Announcement **********

The April SIGWEB meeting will be held at the Stanford Linear Accelerator
Center on April 19th, from 2pm till 5pm.

Featuring a panel discussion:

    Desktop Interfaces to Information Sources on the Internet:
    Perspectives from World Wide Web client interface developers.

        Kevin Altis, Intel
            - creator of the Proxy Server
        Marc Andreessen, Enterprise Integration Technologies
            - creator of Mosaic
        Tony Johnson, Stanford Linear Accelerator Center
            - creator of MidasWWW
        Pei Wei, O'Reilly & Associates
            - creator of violaWWW

        Bebo White, Stanford Linear Accelerator Center
            - moderator

A panel consisting of the creator's of leading WWW client technology
will discuss issues concerning desktop interfaces to Internet
information sources. The panelists will place their work into
perspective given their specific target user community and share some
of the insights gained during their individual efforts. Together, and
with audience participation, the panelists will attempt to shed light
on significant general themes pervading networked information
interface development. Open issues and future directions will also be
discussed.

The afternoon's agenda will also include:

Welcome to Stanford Linear Accelerator Center and Overview of the
High Energy Physics Community's WWW/NIDR Activities
        Les Cottrell - Networking Manager, Stanford Linear Accelerator Center

SIGWEB Business and Announcements -
        Administrivia and Announcements of related events/activities.

Attendee Q/A, Birds of a Feather Sessions and Informal Discussions
        While we didn't formally get to this phase of the March meeting,
        we do plan to provide time and sign-up sheets for those interested.

SIGWEB Member Input Survey (on-going)

SWUG 12/14/94

Michael Riordan	Michael @ SLACVM
Ilse Vinson	ilse@slac.stanford.edu
Kathryn Hennrgs	hennrgs @ slac.stanford.edu
Bill Sawyer	bsawyer@slip.net
John Windberg	Johnw @ slac.
Kristy Nelson	nelsonkd @ slac.stanford.edu
Lisa Dunn	LISA@ SLAC.STANFORD.EDU
Katherine Cantwell	K @ SLAC.STANFORD.EDU
Christine Quinn	quinn@ eecns.stanford.edu
I. trindle gennari	gennari@slac.stanford.edu
John Halperin	jxh @ slac
Tony Johnson	~~tonyjes~~ tony-johnson@slac
Les Cottrell	cottrell @slac.stanford.edu
Pat Kreitz	pkreitz @ s.s.e

1. Why forms?
2. conformance levels
3. how they work

http://kuhttp.cc.ukans.edu/
info/forms/forms-intro.html

① Flyer ~~REALLO~~ REALLY ~~HAD~~ has been successful;
subscriptions to wow-l

② wow-l → slac.www. general
other slac.www groups are GONE

weblint – picks fluff off html pages
like lint in C
http://www.~~unipress~~ unipress.com/weblint/

HTML Validation Service
http://www.halsoft.com/html-val-svc/

you can put the validated icon

as edit -helper.

bebo

/usr/tmp/tkmail0002

Printer name: lwcgb3b

Date: Wed May 10 09:11:23 PDT 1995

Stanford Linear Accelerator Center

IPT Partner Print Spooler V3.06

① WELCOME MESSAGE by JAY WEBER of EIT
    * USUAL WEB STATS.
    * # of SODA MACHINES (9)
    * # of CATS
    * his SUGGESTION was "watch the money"

② ERIC SEVENSON of INTERLEAF
    "How SGML & HTML Really Fit Together"
    * believes that HTML ~~cannot be the LCD~~.
      must become scaleable to SGML
    * the old TV ANALOGY

    his ACID test
    * hello world → 2-3 ~~tages~~ tags
    * annual report → few more tags but no problem
    * ANNUAL report → can be handled ok by
      graphical or text no matter how sophisticated the markup

③ Nick Arnett of Verity
    "Technological & Legal Protections for Intellectual Property"
    * principles of liability & copyright, fair use
    * defensive policies → FORCE people to choose whether or
      not to READ disclaimers, etc.

④ WWW Developer starter kits
    for Perl
    Roy Fielding — UC Irvine
    → consistent and simple programming interfaces to WWW
      ex. HTML PARSING
        URL PARSING

bebo

/usr/tmp/tkmail0002

Printer name: lwcgb3b

Date: Wed May 10 09:18:27 PDT 1995

Stanford Linear Accelerator Center

IPT Partner Print Spooler V3.06

The State of Web Standards

~~Web Standards Update~~ — LARRY MASINTER

✱ What Next
① Language support for Arabic, Kanji, Unicode, etc.

② better support for collaborative activities
→ blur distinction between e-mail & news
→ click here to phone.

③ fractal image encoding — high compression ratios

④ scripting languages

⑤ VRML

bebo

/usr/tmp/tkmail0002

Printer name: lwcgb3b

Date: Wed May 10 09:13:27 PDT 1995

Stanford Linear Accelerator Center

IPT Partner Print Spooler V3.06

What is it?

MacHTTP 2.0 is the latest update to the widely used World Wide Web server
for Macs. This version contains a HUGE number of features from the previous
version. It provides all of the functionality of Unix WWW servers with the
Mac's usual ease of use. MacHTTP 2.0 includes:

- Enhanced Common Gateway Interface functions for script and application
authors, including POST and HEAD methods and extra AppleEvent parameters
for scripts
- Enhanced security including username/password security
- Complete AppleEvent/AppleScript interface for remotely administering MacHTTP
- improved performance
- User interface enhancements
- Improved examples, tutorials, and documentation
- AppleScript runtime code included

MacHTTP 2.0 is a fat binary and runs in native mode on all Macs. It
requires System 7 and MacTCP, and AppleScript is highly recommended.

How to get it?

MacHTTP 2.0 has been sent to macgifts@mac.archive.umich.edu. This means
that it will be available on all Info-Mac and UMich mirror sites within a
day or so. I highly recommend that you download the software from one of
these sites to avoid destroying the FTP server handling requests from the
MacHTTP Home Page.

MacHTTP 2.0 is currently available on info-mac at:
ftp://sumex-aim.stanford.edu/info-mac/comm/tcp/mac-http-20.hqx
and in similar locations on other info-mac mirrors.

For more details, see the new MacHTTP Home Page at http://www.biap.com/

_ __ _ _ _ _ _ _ _ _ _ _ _ _ _
Chuck Shotton cshotton@oac.hsc.uth.tmc.edu   \ MacHTTP Home Page
http://www.uth.tmc.edu/mac_info/machttp_info.html \ <- Check it out!
_ __ _ _ _ _ _ _ _ _ _ _ _

```html
<option> No Opinion
</select> <p>
<strong>Number of Children:</strong> <br>
(ordered numerically with anticipated audience default)<p>
<dl>
<dd>
<select name="children">
<option selected> 0
<option> 1
<option> 2
<option> 3 or more
</select>
</dl>
<h2>Text Input Area</h2>
<strong>Hobbies and Special Interests:</strong><p>
<textarea name="body" rows=5 cols=30></textarea><p>
To submit your responses to this survey, press this button:
<input type="submit" value="Submit">
</form>
</body>
</html>
```

```html
<html>
<head>
<title>Fill-Out Form Example</title>
</head><body>
<h1>Fill-Out Form Example</h1>
This is an example fill-out form incorporating as many
features as possible. <p>
<hr>
<form method="POST" action="http://www.slac.stanford.edu/cgi-bin/post-query">
<h2>Fill-in Fields: </h2>
<strong>Full name:</strong><br>
<input name="fullname" size=50 value=""><p>
<strong>Telephone number:</strong><br>
Enter in format:<br> (aaa)ppp-nnnn<br>
<input name="phone" size=30 value=""><p>
<strong>Date:</strong><br>
Enter in format:<br> mm/dd/yy<br>
<input name="date" size=20 value=""><p>
<h2>Check Boxes</h2>
<strong>Age Bracket:</strong><br>
(ordered as user would expect - chronologically)<p>
<ol>
<li> <input type="checkbox" name="age" value="below20">
     Below 20 years old.
<li> <input type="checkbox" name="age" value="20to60">
Between 20 and 60 years.
<li> <input type="checkbox" name="age"
value="over60">Over 60
years.
</ol>
<h2>Radio Boxes</h2>
<strong>Marital Status:</strong><br>
(ordered logically)<p>
<ol>
<li> <input type="radio" name="marital" value="single">
Single.
<li> <input type="radio" name="marital" value="married">
Married.
<li> <input type="radio" name="marital"
value="divorced">
Divorced.
</ol>
<h2>Scrolling Windows</h2>
<strong>Ethnic category:</strong><br>
(ordered alphabetically)<p>
<select name="ethnic" size=10>
<option value="black">African-American
<option value="asian">Asian-American
<option value="latin">Hispanic
<option value="native">Native American
<option value="white">Other White
</select> <p>
<strong>Eating Style:</strong><br>
(ordered alphabetically with statistically significant
default)<p>
<dl>
<dd>
<select name="eating" size=8>
<option>Carnivore
<option selected>Omnivore
<option>Vegetarian
</select>
</dl>
<strong>Level of Education</strong> (hold down
<i>Control</i>
to select or deselect disjoint items): <br>
(ordered chronologically with anticipated audience
default)<p>
<dl>
<dd>
<select name="education" multiple size=8>
<option>High School
<option selected>College
<option>Graduate
</select>
</dl>
<h2>Drop-down Menus</h2>
<strong>Political Persuasion:</strong><br>
(ordered randomly with default at top of menu)<p>
```

```
<title>{Draft Template for SLAC WWW Page}</title>
<h1>{Draft Template for SLAC WWW Page}</h1>
<address><a HREF="/pubinfo/slacinst/slacinst.html">SLAC*</a>
[Last modified:]{    5 Dec 1994}</address>
<p>
[Optional:]   This page is under construction.+
<p>
{body text, e.g.:}
<h2>[Optional:] {Files|Information|...} at SLAC</h2>
<p>
[Optional:]
You may also find the following SLAC {info type} helpful: <a HREF="{URL}">{name
{...}.+
<p>
[Optional:] Press <a HREF="/slac.html">here</a> to go to the SLAC Home Page.+
<h2>[Optional:] Information Sources Elsewhere+</h2>
{text on sources beyond SLAC}
<p>
<hr>
*  Or link to pr-style page introducing a major SLAC group like SLD or SSRL,
    which in turn has a link to this SLAC institutional pr-style page in that
    location.
[Optional footnote:] +  Include this section only if relevant.
<p>
[Be sure to include a footnote for any links that are restricted to
SLAC users only.]
<p>
[Optional acknowdedgement:]   {This page was originally compiled by ....}+
<p>
<address>
[Owner:] <a HREF="/owner/winters">{Winters}</a>
</address>
[Or optional:*]
<address>
[Owners:]
<a HREF="/owner/{username1}">{username1}</a>,
<a HREF="/owner/{username2}">{username2}</a>;
<a HREF="/owner/{username3}">{username3}</a>,
<a HREF="/owner/{username4}">{username4}</a>
{...}
</address>

<hr>
where text in [ ] is usually omitted, e.g., [Optional:]
and information in { } is to be replaced by the author.
```

Items raised from people in the
www user group

1. Integrated of SSRL & support old terminals
2. Convenient efficient Home Page(s)
3. Encyc Brittanica access
4. Web should not be only access to common dB
5. Class on HTML plus training
6. Problem with cgi-scripts for graphics
7. WebMaker ❘ Fm2html
8. How to get clusters of pages added to home page e.g. Departments at SLAC.
9. SLAC HP need depts @ SLAC on welcome Page.
10. Pushback Allows PC/Mosaic browsers
11. Targen on SLAC HP. e.g. X.500
12. Index to www SLAC resources.
13. To: majordomo @ list. stanford. edu subscribe www-people
14. Need PostScript viewer for Mac or wider support for PDF.
14a. Need direction to resources.
15. Learn how to create home pages.
16. Centralized Link Checker.
17. Documentation of how to do scripts for (live pgm links)
18. Appropriateness advice/guidelines
19. IP publicity/press for dissemination
16. Support for conversion tools for authors
17. Get an IP article on www user group inside dl

Fill-out Forms

Form Structure:

```
<form method="method" action="actionURL">
Form commands
</form>
```

    method:
        GET   default data posting format (obsolete)
        POST   post variable/data pairs (mainstream)

    actionURL:
        URL pointing at server-side data handling program

Form Commands:

```
<input type="type" name="varname" value="value"
size="size" maxlength="string_size">
```

    type

hidden	fixed input; does not appear on form
text	text input field appears
password	same as text; characters appear as "*"
checkbox	push-button; allows "one of many"
radio	push-button; allows one value only
reset	push-button; signals client to blank form
submit	push-button; signals client to send data

    varname
    creates a variable name for referencing the input

    value
    supplies a default value to display

    size
    specifies a *width, height* for the field

    string_size
    limits input to specified number of characters

```
<html>
<head>
<title>Fill-Out Form Example</title>
</head><body>
<h1>Fill-Out Form Example</h1>
This is an example fill-out form incorporating as many
features as possible. <p>
<hr>
<form method="POST" action="http://www.slac.stanford.edu/cgi-bin/post-query">
<h2>Fill-in Fields: </h2>
<strong>Full name:</strong><br>
<input name="fullname" size=50 value=""><p>
<strong>Telephone number:</strong><br>
Enter in format:<br> (aaa)ppp-nmnn<br>
<input name="phone" size=30 value=""><p>
<strong>Date:</strong><br>
Enter in format:<br> mm/dd/yy<br>
<input name="date" size=20 value=""><p>
<h2>Check Boxes</h2>
<strong>Age Bracket:</strong><br>
(ordered as user would expect - chronologically)<p>
<ol>
<li> <input type="checkbox" name="age" value="below20">
     Below 20 years old.
<li> <input type="checkbox" name="age" value="20to60">
Between 20 and 60 years.
<li> <input type="checkbox" name="age"
value="over60">Over 60
years.
</ol>
<h2>Radio Boxes</h2>
<strong>Marital Status:</strong><br>
(ordered logically)<p>
<ol>
<li> <input type="radio" name="marital" value="single">
Single.
<li> <input type="radio" name="marital" value="married">
Married.
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value="divorced">
Divorced.
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<h2>Scrolling Windows</h2>
<strong>Ethnic category:</strong><br>
(ordered alphabetically)<p>
<select name="ethnic" size=10>
<option value="black">African-American
<option value="asian">Asian-American
<option value="latin">Hispanic
<option value="native">Native American
<option value="white">Other White
</select> <p>
<strong>Eating Style:</strong><br>
(ordered alphabetically with statistically significant
default)<p>
<dl>
<dd>
<select name="eating" size=8>
<option>Carnivore
<option selected>Omnivore
<option>Vegetarian
</select>
</dl>
<strong>Level of Education</strong> (hold down
<i>Control</i>
to select or deselect disjoint items): <br>
(ordered chronologically with anticipated audience
default)<p>
<dl>
<dd>
<select name="education" multiple size=8>
<option>High School
<option selected>College
<option>Graduate
</select>
</dl>
<h2>Drop-down Menus</h2>
<strong>Political Persuasion:</strong><br>
(ordered randomly with default at top of menu)<p>
<select name="politics">
```

The variable **QUERY_STRING** contains the values input into the fill-out form in the format:
variable1=value1&variable2=value2&...

CGI/1.0 test script report:

```
PATH = /bin:/usr/bin:/usr/etc:/usr/ucb
SERVER_SOFTWARE = CERN/3.0pre5
SERVER_NAME = www.widget.com
GATEWAY_INTERFACE = CGI/1.1
SERVER_PROTOCOL = HTTP/1.0
SERVER_PORT = 80
REQUEST_METHOD = POST
HTTP_ACCEPT = text/plain, application/x-html,
application/html, text/x-html, text/html, audio/*,
audio/basic, image/jpeg, image/*, image/gif, image/x-xwd,
video/mpeg, text/richtext, text/richtext, text/richtext,
text/plain, text/plain, x-sun-attachment, audio-file,
postscript-file, default, message/partial, message/external-
body, application/postscript, application/x-metamail-patch,
audio/basic, audio/x-aiff, image/gif, image/jpeg, image/tiff,
image/x-portable-anymap, image/x-portable-bitmap, image/x-
portable-graymap, image/x-portable-pixmap, image/x-rgb,
image/rgb, image/x-xbitmap, image/x-xpixmap, image/xwd,
image/x-xwd, image/x-xwindowdump, video/mpeg,
application/postscript, application/x-dvi, message/rfc822,
application/x-latex, application/x-tex, application/x-
texinfo, application/x-troff, application/x-troff-man,
application/x-troff-me, application/x-troff-ms,
text/richtext, text/tab-separated-values, text/x-setext, */*
PATH_INFO =
PATH_TRANSLATED =
SCRIPT_NAME = /cgi-bin/survey
QUERY_STRING = fullname=Bill+Clinton&phone=%28202%29555-
1212&date=10%2F01%2F94&age=20to60&marital=married&ethnic=whit
e&eating=Omnivore&education=College&politics=Democrat&childre
n=1&body=saxophone
REMOTE_HOST = foobar.widget.com
REMOTE_ADDR = 999.12.34.56
REMOTE_USER =
AUTH_TYPE =
CONTENT_TYPE =
CONTENT_LENGTH =
```

If the following values were input into this form,

Full name: Bill Clinton
Telephone number: (202) 555-1212
Date: 10/01/94
Age Bracket: Between 20 and 60 years
Marital Status: Married
Ethnic category: Other White
Eating Style: Omnivore
Level of Education: College
Political Persuasion: Democrat
Number of Children: 1
Hobbies and Special Interests: saxophone

The variable **QUERY_STRING** contains the values input into the fill-out form in the format:
variable1=value1&variable2=value2&...

CGI/1.0 test script report:

PATH = /bin:/usr/bin:/usr/etc:/usr/ucb
SERVER_SOFTWARE = CERN/3.0pre5
SERVER_NAME = www.widget.com
GATEWAY_INTERFACE = CGI/1.1
SERVER_PROTOCOL = HTTP/1.0
SERVER_PORT = 80
REQUEST_METHOD = POST
HTTP_ACCEPT = text/plain, application/x-html,
application/html, text/x-html, text/html, audio/*,
audio/basic, image/jpeg, image/*, image/gif, image/x-xwd,
video/mpeg, text/richtext, text/richtext, text/richtext,
text/plain, text/plain, x-sun-attachment, audio-file,
postscript-file, default, message/partial, message/external-
body, application/postscript, application/x-metamail-patch,
audio/basic, audio/x-aiff, image/gif, image/jpeg, image/tiff,
image/x-portable-anymap, image/x-portable-bitmap, image/x-
portable-graymap, image/x-portable-pixmap, image/x-rgb,
image/rgb, image/x-xbitmap, image/x-xpixmap, image/xwd,
image/x-xwd, image/x-xwindowdump, video/mpeg,
application/postscript, application/x-dvi, message/rfc822,
application/x-latex, application/x-tex, application/x-
texinfo, application/x-troff, application/x-troff-man,
application/x-troff-me, application/x-troff-ms,
text/richtext, text/tab-separated-values, text/x-setext, */*
PATH_INFO =
PATH_TRANSLATED =
SCRIPT_NAME = /cgi-bin/survey
QUERY_STRING = fullname=Bill+Clinton&phone=%28202%29555-
1212&date=10%2F01%2F94&age=20to60&marital=married&ethnic=whit
e&eating=Omnivore&education=College&politics=Democrat&childre
n=1&body=saxophone
REMOTE_HOST = foobar.widget.com
REMOTE_ADDR = 999.12.34.56
REMOTE_USER =
AUTH_TYPE =
CONTENT_TYPE =
CONTENT_LENGTH =

```html
<option> No Opinion
</select> <p>
<strong>Number of Children:</strong> <br>
(ordered numerically with anticipated audience default)<p>
<dl>
<dd>
<select name="children">
<option selected> 0
<option> 1
<option> 2
<option> 3 or more
</select>
</dl>
<h2>Text Input Area</h2>
<strong>Hobbies and Special Interests:</strong><p>
<textarea name="body" rows=5 cols=30></textarea><p>
To submit your responses to this survey, press this button:
<input type="submit" value="Submit">
</form>
</body>
</html>
```

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Form commands
</form>
```

    method:

GET	default data posting format (obsolete)
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    actionURL:
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Form Commands:

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<input type="type" name="varname" value="value"
size="size" maxlength="string_size">
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    type

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text	text input field appears
password	same as text; characters appear as "*"
checkbox	push-button; allows "one of many"
radio	push-button; allows one value only
reset	push-button; signals client to blank form
submit	push-button; signals client to send data

varname
    creates a variable name for referencing the input

value
    supplies a default value to display

size
    specifies a *width, height* for the field

string_size
    limits input to specified number of characters

TagWizard™

FOR MICROSOFT® WORD 6.0

With SGML TagWizard™, you can create documents for distribution on the information super highway by the World Wide Web (WWW) and Mosaic. As an add-on to Microsoft® WORD 6.0, SGML TagWizard is a complete hypertext authoring environment that lets you mark-up documents using both HyperText Markup Language (HTML, the standard for creating Mosaic documents) and Standard Generalized Markup Language (SGML). SGML TagWizard works with both existing and new WORD documents, uses all the standard WORD editing features, and is the most convenient tool for creating WORD and Mosaic documents simultaneously!

If you are a Microsoft WORD for Windows user

and an information provider on the Internet, or if you maintain an SGML document database, you probably maintain your information in two forms. Original documents are saved in WORD format, and the converted documents are stored in HTML or SGML. This is a time-consuming and error-prone process — and one you would probably prefer to avoid. With the SGML TagWizard, you can.

With SGML TagWizard you maintain just one document that can be used in both WORD and hypertext environments. SGML TagWizard lets you use the powerful WYSIWYG features of WORD to format documents for Mosaic. If you want to hide HTML or SGML tags to print a document, simply click the mouse button and they disappear.

Tags, WYSIWYG formatting, images, and tables coexist in a user-friendly way when using SGML Tag Wizard

Verifies your HTML and SGML tags

Converting unstructured documents into SGML can be a major headache. With SGML TagWizard, you don't need to convert. SGML TagWizard features a built-in, interactive SGML parser that verifies your marked up WORD documents for HTML and SGML conformance on the fly. As a result, all errors are caught in the composition stage — and not the first time the document is accessed on line.

Makes maintaining documents easy

When adding tags to a document manually, or when using an SGML filter, the chance of error is high. SGML TagWizard lets you compose text, insert HTML or SGML tags, and verify your document all in one smooth motion.
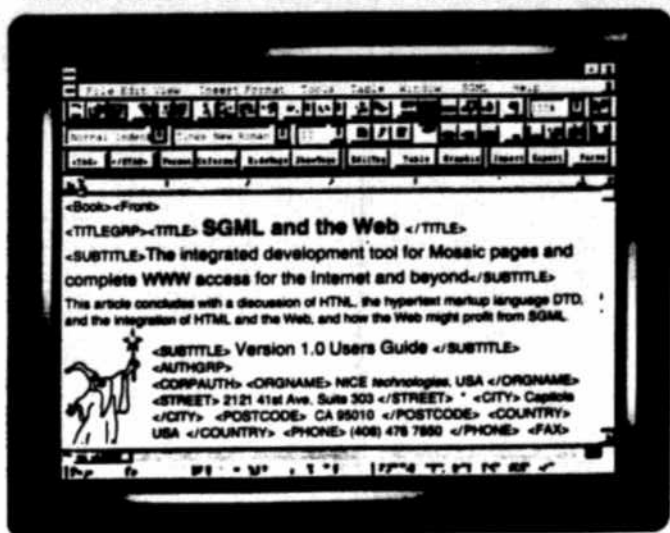
Because SGML TagWizard is tightly integrated with Microsoft WORD, you manage marked up documents in exactly the same way you manage other WORD documents.
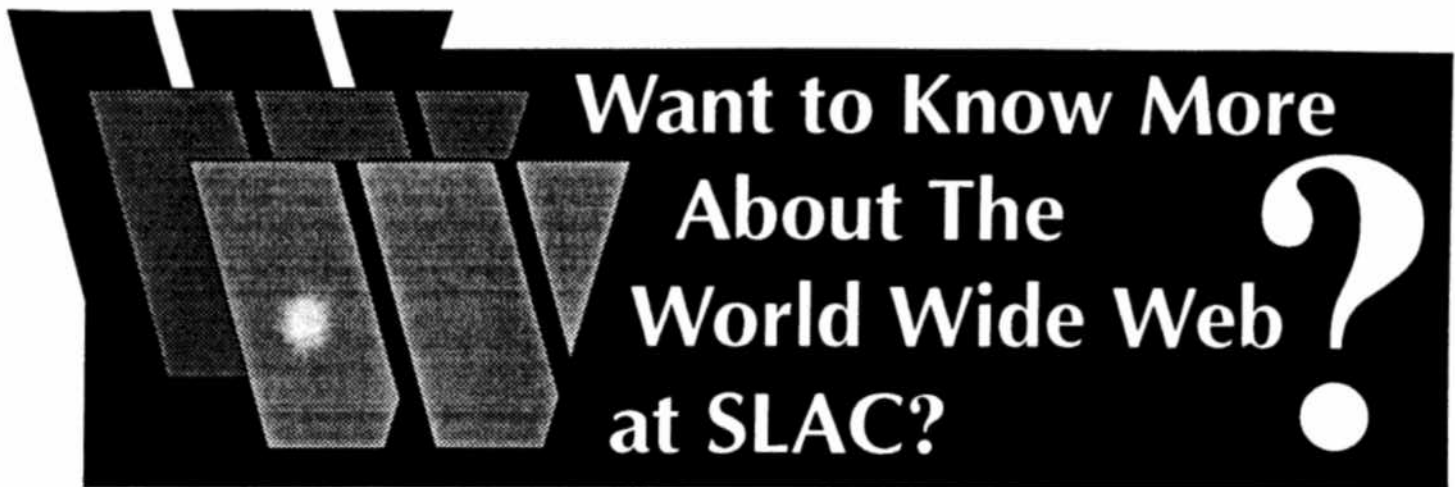
Imports graphics seamlessly

The Mosaic browser allows authors to display graphics in the platform-independent GIF format. With SGML TagWizard, you can automatically convert pictures embedded in WORD documents to GIF — with HTML anchor tags inserted — by pointing and clicking. No other HTML or SGML authoring tool makes incorporating graphics easier.

Provides WYSIWYG SGML

For the first time, you can create and print a fully formatted document that can be exported to the SGML text format used by WWW browsers.

Did you Know...

...that there is a mailing list at SLAC for information, questions, and announcements pertaining to use of the World Wide Web at SLAC? To join the **www-l** mailing list, send e-mail to **listserv@slac.stanford.edu** and include the two lines of text `subscribe www-l` and `end` in the body of the message.

...that there is a SLAC newsgroup for accessing the same sort of information? Next time you read netnews, check out the newsgroup **slac.www.general**.

...that the SLAC WWW Users Group (SWUG) meets the second Wednesday of every month to discuss page authoring and maintenance, WWW authoring tools, and other issues related to the use and development of the WWW at SLAC? For more information, send e-mail to **bebo@slac.stanford.edu** or **gennari@slac.stanford.edu**, or check out the SWUG home page at **http:// www.slac.stanford.edu/grp/techpubs/olp/SWUG/ SWUG.html**.

The 2nd BIG BANG!

WORLD WIDE WEB
BORN FROM HIGH ENERGY PHYSICS