Through the NERSC home page in Mosaic, we intend to offer NERSC users an exciting and smooth interface to a wealth of information about services provided by the center. As new services are introduced and the information about these services is updated, the home page will evolve to reflect these changes. Currently, the information is grouped into five main sections:

- What's New
- Quick Help
- Directory of Services
- Parallel Processing
- Computational Research

In addition, hypertext pointers, called hyperlinks or anchors, lead you to the home pages of the Lawrence Livermore National Laboratory and ESnet, to facts about the members of the NERSC staff, and to other WWW servers and services. Each hyperlink appears as a highlighted or underlined phrase, and by clicking on the hyperlinks, one can access many documents—in the forms of text, audio, video, and graphics—anywhere on the Internet.

The NERSC Mosaic home page also provides alternatives to accessing several NERSC services, many with convenient graphical interfaces. For example, instead of using RN, users now can access the NERSC newsgroups, as well as many other newsgroups, by traversing hyperlinks via Mosaic. All the NERSC online documentation, otherwise available using DOCUMENT, is now accessible in Mosaic. Furthermore, the *Buffer* now is available via Mosaic with all its illustrations and graphics. The latest issue of the *Buffer* is always highlighted under "What's New."

A separate section, Quick Help, is designed to orient our new users and is the best place to start if you need a quick answer to some of the frequently asked questions: how to access the NERSC machines, how to request an account, etc.

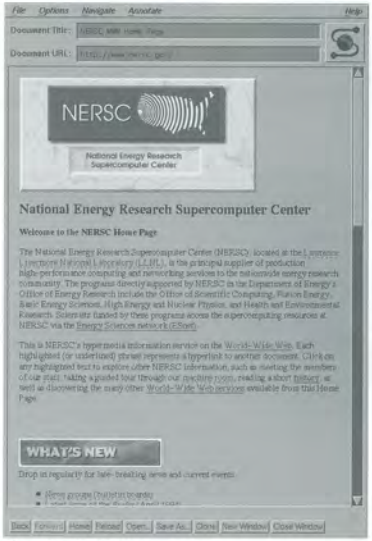

Figure 1. NERSC WWW Home Page.

While you are browsing through the NERSC pages, you may take a virtual tour of the NERSC machine room by simply clicking on the machine of interest on an interactive picture of the machine room.

Many research projects supported by NERSC in the computational and engineering sciences present their best work in Mosaic, displayed with complete text and graphics. To keep current on the rapid development in massively parallel computers, a section on parallel processing documents the resources open to our users.

Where to Get Mosaic Software

The Mosaic browser software is in the public domain. For example, the Mosaic application and documentation can be obtained via anonymous FTP by typing:

```
ftp ftp.es.net
```

Once connected, you will find the following:

- Mosaic for many different UNIX platforms in directory: /pub/public-domain/WWW/ftp.ncsa.uiuc.edu/Mosaic/Mosaic-binaries
- Mosaic for the Macintosh in directory: /pub/public-domain/WWW/ftp.ncsa.uiuc.edu/Mac/Mosaic
- Mosaic for MS-Windows in directory: /pub/public-domain/WWW/ftp.ncsa.uiuc.edu/PC/Mosaic

The Mosaic browser is already installed on the Supercomputing Auxiliary Service (SAS) at NERSC. Users may invoke the browser simply by typing `Mosaic`. For information about obtaining an account on SAS, please contact Jean Wolitzer via e-mail to `wolitzer@nersc.gov`.

Information About WWW

WWW servers support several popular protocols on the Internet. HTTP, the HyperText Transfer Protocol, is the native protocol by which WWW servers communicate with clients or browsers. In addition, WWW servers support Gopher, FTP, NNTP, and WAIS protocols, either directly or through gateways.

Resources in the World Wide Web are accessed via Uniform Resource Locators (URLs). URLs can point to documents, graphics, news articles, queries to databases, or to almost any information that is available via a network-based access mechanism. The table below lists a few starting points to explore these resources.

If you have questions about how to access the World Wide Web or the NERSC home page, feel free to send e-mail to `consultants@nersc.gov`.

Table 1. Other Exploration Points in WWW.

Content	URL
Network starting point	http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/StartingPoints/NetworkStartingPoints.html
Mosaic demo page	http://www.ncsa.uiuc.edu/demoweb/demo.html
Meta-index of the directories and indices available on the Internet	http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/MetaIndex.html
NCSA Mosaic frequently asked questions	http://www.ncsa.uiuc.edu/SDG/Software/Mosaic/Docs/mosaic-faq.html
Guide to the Internet	http://alpha.acast.nova.edu/bigdummy/bdg_toc.html