1. X Consortium Status Report
2. New Senior Staff
   - President
     - I'm here to stay
   - Director of Marketing
     - Paul Lavallee, pcl@x.org
   - Director of Engineering
     - Jim Fournier
   - Manager, Quality & Test Engineering
     - M. Ramesh
3. New Technical Staff
   - Core X
     - Ray Tice
   - CDE
     - Daniel Dardailler
     - Pascale Dardailler
     - David Kaelbling
     - Doug Rand
     - Marianne Smith
4. '96 X Conference
   - Moving to Bay Area next year
     - where it's warmer
   - Help celebrate our 10th event
     - tell us how we can improve next year
     - participate next year
     - xconference@x.org
5. Marketing
   - X Industry Association merger complete
   - Director of Marketing hired
     - using XIA funds
   - New marketing emphasis
     - membership drive
     - influence technology definition
     - out-bound marketing of technology
     - business/marketing advisory group
6. Membership Changes
   - Join at the start of any Quarter
   - Adding End User Class

- no computer H/W, S/W or services
- $10,000 membership fee

■ Adding Government Agencies & Labs
- U.S. and foreign
- $5,000 membership fee

■ membership@x.org

7 XJOBS

■ New service starting next week

■ X Consortium members advertise jobs
- see http://www.x.org/xjobs for how

■ Anyone can receive job listings
- xjobs-request@x.org to join mailing list
- http://www.x.org/xjobs
- ftp.x.org:*TBD*

8 Release 6 Public Patches

■ Large patches coming out next week

■ New snapshot of LBX

■ Greatly improved Session Manager
- including proxy for existing applications
- twm support

■ New HP ddx

■ Corrections to numerous fonts

■ New XFree86 release 3.1.1

9 Walnut Creek CD-ROM

■ Official X Consortium R6 distribution

■ New version coming out soon
- incorporates all public patches
- includes latest full XFree86 distribution
- includes Sun and XFree86 binaries

■ Look for it to be announced
- http://www.cdrom.com/titles/x11r6.html

10 Ongoing Work

■ briefly ...

11 Covered By Other Talks

■ External Agent Support
- see GaTech/Digital talk this afternoon

■ Double Buffering (DBE)
- see Ian's talk this afternoon

- Dynamic Loading
  - see Rob's talk this afternoon
- PEX and PEXlib 5.2
  - see Karl's talk this afternoon

12 CDE and Motif

- OSF PST project for future release of CDE and Motif
- Working with Digital, Fujitsu, Hitachi, HP, IBM, Novell, SunSoft
- Still in project planning phase
- OSF Member review last September
- Working towards OSF Board approval

13 Fresco

- New features since R6
  - standard OMG CORBA bindings for C++
  - dynamic loading of kits
  - native Windows NT port
  - sample widget set
    - includes menus, dialog boxes
    - Motif look, partial feel
  - graphical embedding
    - embedded editors, menubar sharing

14 Fresco and OMG

- Intent to propose Fresco structured graphics to Common Facilities RFP
- Goal: make Fresco and OpenDoc work cooperatively together
  - combine Fresco structured graphics with OpenDoc embedding and document management
  - discussion underway with CI Labs
  - membership swaps with CI Labs and OMG

15 Low-Bandwidth X (LBX)

- Recent implementation work
  - improved short-circuiting
  - PutImage, GetImage image compression
  - option negotiation
  - GC and Drawable caching
  - smaller event encodings
  - extension negotiation/support

16 LBX (cont.)

- Upcoming work
  - further delta encoding optimization

- font inquiry optimization
- authorization support (proxy pass-thru)
- color request short-circuiting
- write the full 1.0 specification

17 RECORD extension

- Significant improvements over snapshot shipped as R6 work-in-progress
  - improved handling of device events
  - better timestamping
  - ClientStarted/ClientDied notification
  - improved multi-client recording
- Will enter Public Review next week
- Revised implementation in progress

18 KEYBOARD extension

- Significant additions to snapshot shipped as R6 work-in-progress
- Get Erik's tutorial notes for details
- Implementation nearly complete
- Expect revised specification to enter Consortium review in near future

19 Extended Visuals

- Hope to finish soon to meet needs of both PEX and DBE
- Considering dropping complex allocation and configuration semantics
- Leaving just attribute advertising
- EVE ACE VAPID

20 CommonAudio

- Build on NAS and AF experience, code
- Produce a standard audio protocol
- Application areas
  - MPEG playback
  - conferencing
  - training
  - sound annotations
  - games

21 CommonAudio Features

- Logically separate server
- Explicit audio device time
- Server-side sound buckets

- Sample rate conversion
- Multi-channel devices
- Simple flows (multiply, add, resample)
- Support for popular sound-file formats

22 Rest of Multimedia

- Mainly: Video
- Lots of issues, looking for consensus
- How/where should we be involved?
- Workshop to be held later this week

23 Security

- X through corporate firewalls
- Proxy server enforces security policy
- Work with any existing X server
- Build comparable support into X server as second stage

24 Printing

- Use X protocol, existing Xlib API
- Extension for printing-specific control
  - job and page control
  - device/format-specific data
  - printing-specific attributes
- Page manager (a la window manager)
  - manage printer/spooler setup and details
- Permit X server to also be Print server

25 Printing (cont.)

- Reasonable quality output
  - PDLs (PostScript, PCL) not bitmaps
- Use printer-resident fonts
- Toolkit/App architecture issues
  - content vs. hi-res screen dumps
  - redoing geometry/layout
  - refetching resources (e.g., fonts)