APPENDIX N

OPEN LOOK Software Availability

There is a wide range of software available to users of the OPEN LOOK GUI. The following is a reprint of the "Frequently Asked Questions" listing of OPEN LOOK software from the USENET newsgroup *comp.windows.open-look*[1]. It is a compilation of both free and commercial software. This list is updated periodically; the most recent version is normally posted to the Usenet newsgroup *comp.windows.open-look*.

Most of the free software is distributed in source code form, needing compilation.

```
This is version 1.13 92/12/18 of the file open-look-programs.faq.

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```

N.1 Applications: Application Builders

```
Commercial: DevGuide 3.0
Contact: SunPICS
```

lets you use Drag and Drop to create an OPEN LOOK application with XView, OLIT, UIT or TNT. Very easy to use.

1. This "FAQ" is reprinted with the permission of its compiler, Liam Quin <lee@sq.com>

```
Free: dirt
```

there _might_ be an OLIT port of this UI builder.

```
Commercial: ExoCode
Contact: Expert Object
```

one of the first third-party GUI builders to support OPEN LOOK, using the XView toolkit. It was reviewed in SunExpert magazine in 1990.

```
Commercial: uib
Contact: ParcPlace, Debra Frances debra@ParcPlace.COM, +1 303 678-4626
```

uib is a user interface builder which supports building applications that support both OPEN LOOK and Motif. It generates code for ParcPlace's OI C++ toolkit and can make use of user created subclasses. Note: 'OI' can also display an OSF/Motif GUI at runtime.

```
Free: wcl
```

Uses X resources to specify an Xt widget hierarchy and actions to user-defined callbacks. uses OLIT, Xt or Motif.

```
Commercial: XVT
Contact: XVT Systems (+1 303-443-4223)
```

Lets you write code to a common subset of OPEN LOOK, Motif, Microsoft Windows, the Macintosh GUI, and even terminals (using curses). You buy an XVT toolkit for each environment.

N.2 Applications: Graphing Tools

```
Free: dstool
```

XView-based program that plots Lorenz Attractors and other chaotic things in real time. Also includes a mathematical expression interpreter.

ftp: macomb.tn.cornell.edu

```
Free: ACE/gr -- graph and analysis program, xvgr
Ftp: ftp.ccalmr.ogi.edu [129.95.72.34]; xvgr-2.09.tar.Z in /CCALMR/pub/
acegr
```

Handles x-y scatterplots, lineplots, bargraphs, FFT analysis, running averages, polynomial fits, etc.

```
Free: robot - a scientific graph plotting and data analysis tool
Contact: Robin Corbet <corbet@astro.psu.edu>
Description:
```

Graph plotting in various styles & axes; Data manipulation - arithmetic, functions, smoothing, folding, sorting; Fitting to data using Gaussians, polynomials, Lorentzians, and/or user defined functions; Annotation of graphs; log files; Commands with loops etc.; Colour; PostScript output.

```
Ftp: astrod.astro.psu.edu (128.118.147.28) in pub/astrod
Ftp: files: robotx0.35.tar.Z - everything
```

```
Ftp: files: RobotManual.ps.Z - just the documentation.
Ftp: files: robot.sun4.Z - binary built on a SPARCstation.
Requirements:
```

Robot is XView based. User interface portions of code are written in 'C'. Data manipulation code is written in FORTRAN. Hence a FORTRAN compiler is also required or the public domain f2c package. Alternatively, a SPARC binary is available by anonymous ftp.

N.3 Applications: Other

```
Commercial: Bimail 400
Contact: BIM (+32-2-759.59.25) pge@sunbim.be
X.400-address: C=be;A=RTT;P=BIM;O=Horizon;S=Geurts;G=Patrick
Notes:
```

Bimail is a complete X.400 electronic mail system. It consists in a user interface which gives access to all X.400 services with a consistent look and feel, a message transfer agent (MTA) system which can transfer messages over X.25, TP.4 and TCP/IP (using RFC 1006). A gateway to SMTP mail is also available.

```
Free: WorkMan - Audio CD player for X11 (Sun, Ultrix)
Requirements: XView libraries
Ftp: Ultrix binary: ftp.hyperion.com in /WorkMan
Ftp: ftp.ucsc.edu in "incoming" - database of over 750 CDs
Contact: koreth@hyperion.com (Steven Grimm)
Free: pan - Postit notes
Free: xrolo - Rolodex card index/address book
Commercial: SearchIt 1.0
Contact: SunSoft or SunExpress
SunExpress can be reached at:
```

US: 1-800-873-7869; UK: 0800 89 88 88

Germany: 01 30 81 61 91; France: 05 90 61 57

```
Platforms: SPARC, Solaris 1.x
Price: $249
Notes:
```

SearchIt is a full text search and retrieval application designed to improve individual and group productivity. It makes an index to files and can later retrieve documents by words or phrases, ranking the results in relevance order.

```
Commercial: ShowMe
Contact: SunSoft
Notes:
```

Conferencing software that lets multiple connected users share the same drawing screen, with bitmap capture and moveable pointer.

```
Requirements:
```

You can only run one ShowMe per computer, so you have to have a CPU per conference member.

```
Free: xvman - Man Pages viewer
Free: xvtdl - ToDo List manager
Ftp: export.lcs.mit.edu /contrib/xvtdl-4.0.tar.Z, /contrib/xvtdl-4.0-
README
Requirements: XView libraries
Contact: Mike Jipping jipping@cs.hope.edu (BITNET: JIPPING@HOPE)
Organisation: Hope College Department of Computer Science
```

```
Free: name_finder
Contact: richard.elling@eng.auburn.edu +1 (205) 844-2280
Ftp: ftp.eng.auburn.edu [131.204.10.91] pub/name_finder1.2.tar.Z.
Patches: pub/name_finder1.2.compile.patch1.
Requirements: OpenWindows 3.0, C++ 2.1 or greater to recompile
Desctription:
```

name_finder was orginally designed as a replacement for the name finder missing from the OpenWindows Version 3.0 mailtool. It has since grown into a tool for several electronic mail related activities including: interaction with local ListServ robots for handling mail lists, requesting Full.Name style mail aliases from your local PostMaster, and providing mailbox status information ala finger(1). name_finder is written in C++ (cfront 2.1) using gxv++ version 1.1. If you don't have access to a C++ compiler, a precompiled sparc executable is included in the distribution.

```
bibcard (v 1.01) LaTeX Bibliography Manager ???
Ftp: ftp.eunet.ch in software/text/TeX/bibcard-1.0.tar.Z
xftp interface to ftp.
Ftp: ftp.chpc.utexas.edu as file /packages/X/xftp.0.1.alpha.tar.Z.
Contact: Bill Jones jones@chpc.utexas.edu
Requirements: X11, OLIT or Motif or Athena widgets
```

compiles under (at least) Ultrix, AIX 3.1.5, AIX 3.2, Convex OS, SunOS, Unicos 6.1.4, and IRIX. Uses OLIT. BUG: can also use OSF/Motif and Athena widgets.

```
Free: olvwm -- OPEN LOOK Virtual Window Manager
contact: Scott Oaks
Ftp: export.lcs.mit.edu in the contrib directory
Patches: there are two patches
Requirements: XView 3
Description:
```

Olvwm is a version of olwm that manages a 'virtual desktop' (hence the 'v' in its name). It shows a little map on the screen, with the currently displayed area represented by a little rectangle. You can move around by dragging the rectangle or with the arrow keys. This lets you run several clients (applications) and move the display around from one to the other. Olvwm was derived from the OpenWindows 3.0 olwm.

```
Free: bibcard -- OPEN LOOK font end to BibTeX.
Ftp: iam.unibe.ch [130.92.64.10] /X11/Bibcard-1.0.tar.Z
Ftp: includes source and SPARC binary for SunOS 4.1.1.
Requirements: XView
contool (ftp from export.lcs.mit.edu)
```

a special-purpose console-window that can filter out or take special action on specified console messages; written by Chuck Musciano.

`ftptool (ftp from export.lcs.mit.edu)`

an OPEN LOOK front-end to ftp (it uses XView)

`Hyperlook, from the Turing Institute`

Hypertext package written entirely in NeWS. Runtime from turing.com in /pub or ftp.uu.net (graphics/NeWS/HyperLook1.5-runtime.tar.Z)

`Maestro (ftp from sioux.stanford.edu)`

Multimedia authoring tools, including support for sound, text & video.

`xvnews (ftp from export.lcs.mit.edu)`

An xview-based newsreader for netnews.

`xvttool (ftp from titan.rice.edu:sun-source)`

A vt100/102 emulator, in both XView and SunView versions. Includes buttons for the PF keys, etc.

N.4 PostScript and Graphics Viewers

```
Commercial: pageview - PostScript previewer
Contact: Included in OpenWindows as part of DeskSet.
Notes:
```

Type 1 support only in OpenWindows 3.0.1 under Solaris 2.1. Antialiasing support - with colour OpenWindows 3 try pageview -aa -dpi 150 Note that pageview uses the X11/NeWS server to interpret the PostScript, and thus won't run on an X terminal or other non-OpenWindows server. It's *not* enough to be runing an OPEN LOOK UI [tm] window manager such as olwm.

```
Commercial: xps - PostScript program editor and previewer
Contact: included with OpenWindows 2.0 under demo and share/src
Notes:
```

Only runs under OpenWindows 2 (not 3).

```
Commercial: psh
Contact: included with OpenWindows
```

simple interface to NeWS and the OpenWindows server

```
Free: ralpage
Ftp: export.lcs.mit.edu in contrib/clients
Notes:
```

Crispin Goswell's PostScript interpreter, much hacked. Not OPEN LOOK compliant. No Type 1 font support. There are other versions of this called 'xps', 'postscript', etc.; don't confuse this 'xps' with the one mentioned above.

```
Free: ghostscript
(from the Free Software Foundation)
```

Supports Type 1 fonts. Not OPEN LOOK based.

N.5 Tools: Terminal Emulators

```
Free: cmdtool, shelltool
Requirements: XView 3 toolkit
Notes:
```

These are included in the XView source distribution from export.lcs.mit.edu in /contrib; they're also included with Sun's OpenWindows.

```
Commercial: SwitchTerm
Contact: Micro Resources Inc., Columnbus, Ohio, USA, +1 614 766-2335
Notes:
```

A version of Xterm with an OPEN LOOK UI, print interface, ANSI X3.64 colour escape sequences, etc.

```
Commercial: IsoTerm
Contact: The Bristol Group Ltd., +1 415 925-9250 and (49) 6105-2945
(Germany)
Requirements: OpenWindows 3 (??)
Other Products: IsoTeX, IsoFax, Power Base
Notes:
```

An OLIT-based terminal emulator. I couldn't get the demo version to give me a shell prompt, although it did look like it was a pretty fll vt340 emulation, with double-height characters, colour, fonts, grahics and so forth. With the Union Flag (the British flag) as their logo I somehow expected an English address, perhaps in Bristol...

N.6 Other Commercial Applications

Contact SunSoft (or Sun) and ask for the Catalyst OPEN LOOK guide, which lists over 200 pages of applications. You can also get the free CDWare CD/ROM, which contains demo versions of several popular OPEN LOOK UI applications. Once you've done this, you can often simply contact the vendor concerned to have the license upgraded from demo, and receive the full product documentation.

```
Product Name: Author/Editor - SGML-based text editor/word processor
Company Name: SoftQuad Inc., +1 416 239 4801, mail@sq.com
Description:
```

Word processor or text editor that manipulates ISO 8879 SGML documents. Interfaces: OPEN LOOK UI (XView), OSF/Motif, Mac, MS/Windows

N.7 Applications: toolkit Extensions

```
Product Name: Xtra XWidgets
Company Name: Graphical Software Technology
E-Mail: info@gst.com
Phone: 310-328-9338; Fax: 310-376-6224
Keywords: graphics, library, widgets, spreadsheet, help
Interfaces: OPEN LOOK, Motif
```

```
Platforms: SPARC, HP9000s300/400/700, IBM RS6000, Interactive 386
Requirements: X11, Xt, Xol (or Xm) libraries and headers; X11
Price: $795/single user, $3000/network, $5000/source
Support-Price: $400/30 calls
Source-Available: yes
Description:
```

The Xtra XWidget library contains a set of widgets that are subclassed from and compatible with either OLIT or Motif widgets. The library includes widgets that implement the following: Spreadsheet, Bar Graph, Stacked Bar Graph, Line Graph, Pie Chart, XY Plot, Hypertext, Hypertext based Help System, and Data Entry Form. Widgets have been successfully integrated with both TeleUSE from Telesoft and Builder Xcessory from ICS. A free demo is available for any of the supported platforms.

```
Product Name: XRT/Graph
Company Name: KL Group
E-mail: sun.com!suncan!klg!xrt_info
Phone: +1 416 594-1026
Description:
```

XRT/Graph is a charting/graphing extension to XView. There are OLIT and (I _think_) Motif versions available, too. A free demo is available.

```
Free: Slingshot XView extension
```

Slingshot provides rectangles (like the Xt Intrinsics' RectObj gadget), drag-and-drop support, images, icons and text, trees, lines, arrows... Get it by ftp from export.lcs.mit.edu, in /contrib/SlingShot2.0.tar.Z (remember to use binary mode in ftp!).

You can also get it by sending mail to archive-server@gazooch.eng.sun.com with the body of each message containing a line like

send sspkg2.0 Part01 Part02

going up to

send sspkg2.0 Part17 Part18

send sspkg2.0 DocPart01 DocPart02 DocPart03

send sspkg2.0 DocPart04 DocPart05 DocPart06

You can ask for one file at a time to reduce the impact on intermediate mail sites. Ask the mail server for help with the Subject line: "help". A human can be reached at archive-manager@gazooch.eng.sun.com. Add a line in the message

path <your-mail-address>

if you think the normal automatic reply address might not work.

```
Ada bindings for XView
```

Sun Ada 1.1 includes among other things an Ada Source Code Generator for Devguide. It uses the Verdix XView Ada bindings. It does not yet [July 1992] support gfm (the guide file manager).

```
C++ Bindings for XView
Qualix's XV++.
UIT
```

N.8 OpenWindows 3 Ports

Sun: SPARC, SunOS 4.1

Sun: SPARC, Solaris 2 (actually 3.0.1?)

others: none so far...

There are said (by Sun) to be two or three ports of OpenWindows either available now or in progress. Contact Anthony Flynn at Open Vistas International (anthony@ovi.com) for more information. (originally they said 35, but perhaps they meant 3.5)

OpenWindows source is available - commercially, it costs about $5,000 for the server, including TypeScaler and the toolkits; deskset (filemgr etc) is another $25,000; ToolTalk is $40,000 or so.

N.9 XView 3 Ports

```
What: XView 3
System: Apple A/UX
Porter: lmj@uncompaghre.jax.org (Lou Jones)
Ftp: encyclo.jax.org
Notes:
```

The libraries and utilities (olwm, cmdtool, etc) are available for anonymous ftp from encyclo.jax.org. I used gcc 2.1 to compile the sources. If there is enough interest, I can make the diffs available.

```
System: Concurrent 7000 (68040 based)
Porter: sinan@Mtesol.boeing.com (Sinan Karasu)
System: DECStation/Ultrix
Porter: dscott@ittc.wec.com (Dave Scott)
Ftp: media-lab.media.mit.edu:~ftp/xview3-ultrix.4.2-mips.tar.Z
Notes:
```

Let me stress that this is *not* fully tested, but seems to work pretty well. Please let me know about any problems you find. Problems I already know about:

> Large buttons under *any* non-Sun X server (non-xnews; i.e. any standard MIT X11R[45] server) have the bottom of the button chopped off. We're working on this one. :-)

```
[actually this seems *not* to be Dave Scott's port; please accept my
apologies for listing this incorrectly. A correct entry will appear as
soon as I get the necessary information. -- Lee]

System: HP 720
Porter: (?)
Ftp: tesla.ucd.ie [137.43.24.44], /pub
```

Notes:

Includes HP 720 build, HP XView patch file, Xvgr.

```
System: HP9000/300 series
Porter: tjc@ecs.soton.ac.uk (Tim Chown)
System: HP9000/7XX series
Ftp: ftp.csc.liv.ac.uk (138.253.42.172) hpux/X11/xview-
3.part[123].tar.Z
System: Intel (SysVR4/i386)
Porter: dawes@physics.su.OZ.AU (David Dawes)
Ftp: ftp.physics.su.oz.au, suphys.physics.su.oz.au /Esix_4/x11r5
hierarchy
Notes:
```

His patches were for Esix 4.0.3 but should work on DELL, ISC and Intel SVR4 with no worries. The files are README.xview3 and xview3.diff.Z.

```
System: IBM RS/6000
Porter: tmcconne@sedona.intel.com (Tom McConnell)
Compiler: bsdcc
Ftp: export.lcs.mit.edu:contrib/xview3/Fixes/
xview3_rs6k_unofficial.patch.Z
Notes:
```

There is still a problem with tty support for the RS/6000. For instance, the cmdtool will not work. Still, most everything else works. For those of you who have already installed my previous patch, I have put a separate patch for just the shared library problem. This file is contrib/xview3/Fixes/xview3_rs6k_XView_lib.patch.Z.

```
System: SGI
Porter: Rainer Sinkwitz <sinkwitz@ifi.unizh.ch>
Ftp: export.lcs.mit.edu:/contrib/xview3/Fixes/
xview3_sgi_unofficial.patch.tar.Z
Notes:
System: Solbourne Series 5
Porter: tmcconne@sedona.intel.com (Tom McConnell)
```

N.10 XView 2 Ports

```
In general, there is no point in using XView 2 if you have XView 3
available;
it's a good idea to look for an XView 3 port first. Moving from XView 2 to
XView 3 is usually simply a matter of recompiling, unless you've done
"dirty tricks" or used undocumented calls.
System: Stellar GS100 (Stardent 1000) and Stardent 1500 & 3000
Porter: arvai@scripps.edu (Andy Arvai)
Ftp: perutz.scripps.edu (137.131.152.27) in the pub/xview directory
Notes:
```

Stardent is now Kubota Pacific (KPC)

```
System: Harris Nighthawk 4000 system (CX/UX Unix)
Porter: andy@harris.nl (Andy Warner)
```

```
Status: Commercial
System: SGI/Iris
Porter: (?)
Ftp: wuarchive.wustl.edu:graphics/graphics/sgi-stuff/XView/xview2
System: VAX/VMS
Porter: TGV Inc (?)
Notes:
```

Steven Fenger <svfenge@afterlife.ncsc.mil> wrote:

A company called TGV makes a product called "XView for VMS". ...

N.11 Games (free and commercial)

```
Free: hexsweeper - minesweeper game based on hexagons
Contact: lee@sq.com, include HexSweeper in Subject
Requirements: OpenWindows 3.0 or later
Toolkit: TNT 3
Free: Spider (Included in OpenWindows under 'demo' and 'share/src')
```

A patience-style card game with two packs of cards and excellent bitmap cards. I suggest recompiling to allow the cards to have rounded edges.

```
Free: Xblackjack (ftp from export.lcs.mi.edu as contrib/xblackjack-
2.1.tar.Z)
```

A MOTIF/OLIT based tool constructed to get you ready for the casino.

```
Commercial: Aviator - flight simulator for GX-equipped SPARCStations
Contact: Artificial Horizons Inc, aviator-interest@ahi.com; +1 415 367
5029
Requirements: OpenWindows (2 or 3), SunOS 4.1 or later, SPARC GX or
GXplus
Commercial: SimCity
Contact: Dux Software, Los Altos, CA
Price: US$89
Requirements: OpenWindows 3 (uses NeWS). Doesn't run on a 4/110 with cg4
:-(
```