

# SMUG NEWS

STANFORD/PALO ALTO MACINTOSH USERS GROUP NEWSLETTER

Vol. 13 No.11 • November 2004

*October Meeting Report*

## Final Cut

by John Schipper



Tom Wolsky discussed two digital software packages, Final Cut Pro (FCP) and Final Cut Express (FCE), which facilitate image processing and rendering. Macs come with a suite of digital software that are intended to work together: audio, video, still images, imovie, idvd, etc. However, imovie is a bottleneck with respect to integration with other software components. FCP extends the Apple software and provides three differences in approach: (1) a different format; a separate file is required for imovie, for raw dv data, working with a single screen; FCP doesn't require use of a single medium and can handle multiple files and different media; (2) imovie uses "destruction editing," in which no copy of the original is kept; FCP uses non-destructive editing, as do most other dv editing packages; (3) imovie has a video clip limit of about 2 Gbytes; FCP has no limit, other than that imposed by the user's equipment.

FCP sets down stop/start markers for a clip, for future reference. Multiple clips are easily combined in FCP. imovie provides only one viewer for image viewing and editing. Wolsky demonstrated imovie clip combining and clip trimming, including some limitations. FCE provides a viewer for viewing and a split screen for editing. imovie has a simple transition procedure (expressed as keystrokes) but requires that each transition be rendered. FCE is also simple but does not require rendering, for real time transitions, including page turning. imovie provides canned titles with animation, again requiring a time delay for rendering. In FCE, a title may be custom or partly custom and may have custom borders, with no rendering required and with real time playback provided.

TruType fonts can be used with FCE; real time color correction on a color image is available, including hue changes. In imovie, a transition has a default interval length of one second but can be made longer if desired, with corresponding compensating change (drop-out) in a clip length that is adjacent to the transition interval so that the total length for clip plus transition is constant; with FCE, no sequence shortening is imposed. FCE also provides audio overlap in a transition, using a blending process. Layering of images is available with FCE.

With FCE, more than one medium can be used. Wolsky demonstrated adding another medium for a transition in FCE, using each of five methods. A voiceover can be recorded into a sequence, for example, as narration. The frame ratio for FCP and FCE is the standard 29.97 fps. Wolsky demonstrated a photo-to-image effect, using a flying Hoover Institute Tower. Slow motion is available with FCE (demonstrated by Wolsky) and with imovie.

Wolsky recommends that one work in AIFF format, wherever possible, with 72 dpi video. imovie always converts an image to 480x640 pixels, performs the indicated operations, then reconverts if necessary. The newest version of FCE requires OS 10.25 and may work on machines as old as a G3, operating at 350 MHz. Where possible, work with two hard disks, one for OS and the underlying software and another for the media. The cost of FCE is \$299.

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SMUG new home page  
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## smug november 1

### Meeting Schedule 6:30 - 9:00

**6:30 - 7:00** Q&A  
**7:00 - 7:30** Shareware  
Owen Saxton & Shareware team  
**7:30 - 7:45** Break  
**7:45 - 9:00** To be announced, check the web site  
**9:00** Raffle

\*\*\* The December meeting will be changed from December 6 to December 13 due to a conflict in dates with SLAC \*\*\*

*From the SMUG Newsletter Editor: The below article is an example of the writing found in the TidBITS newsletter described elsewhere in this issue. It is of particular interest because of the new iMac G5 that was demonstrated at the last SMUG meeting. TidBITS readers responded with 29 messages commenting on this article; they can be seen at the TidBITS website. The following article is verbatim from TidBITS and copyright by them.*

*Originally published in TidBITS#745/06-Sep-04; see <<http://www.tidbits.com/>> for more information.*



This is the side view of the G5 Hello Slab!



This is the inside view of the G5.

## iMac G5: Goodbye Arm, Hello Slab!

by TidBITS Staff <[editors@tidbits.com](mailto:editors@tidbits.com)>

At Apple Expo in Paris last week, Apple announced the iMac G5, the latest generation of the company's all-in-one consumer level computer. Gone is the hemispherical base and articulated arm of the previous iMac. Instead, the iMac G5 looks like a slightly thicker version of the recent Apple Cinema Displays, a white slab suspended on a slim aluminum base. It also resembles one of the company's other products, a music player called the iPod. You may have heard of it.

<<http://www.apple.com/imac/>>

The iMac G5 comes in two sizes and three configurations: a 17-inch screen model sporting a 1.6 GHz PowerPC G5 processor (\$1,300); a 17-inch screen model with a 1.8 GHz G5 (\$1,500); and a 20-inch screen model with a 1.8 GHz G5 (\$1,900). The 17-inch versions are just 1.9 inches (48 mm) deep; the 20-inch version is 2.2 inches (56 mm) deep. The low-end model has a Combo Drive (CD-RW/DVD-ROM), while the others include SuperDrives (CD-RW/DVD-R); the slot-loading drives sit vertically on the right side of the computer. All configurations are AirPort Extreme-ready, with internal Bluetooth adapters available as build-to-order options.

<<http://www.apple.com/imac/specs.html>>

They all come with 256 MB of PC3200 (400 MHz) DDR SDRAM memory (you'll want more RAM; the iMac supports a maximum of 2 GB); an Nvidia GeForce FX 5200 Ultra graphics card with 64 MB DDR SDRAM with AGP 8x support; two FireWire 400 ports; three USB 2.0 ports; two USB 1.1 ports on the keyboard (which looks to be wired, even though the pictures show off Apple's

# SMUG FALL 2004 CD-ROM

## NEW CONTENTS

### Audio & Music

Audio Hijack 2.1.4  
Audio Hijack Pro 2.0  
Audio Recorder 1.4  
Blues Music 1.2.1  
EasyWMA 2.1.1  
Fetch Art for iTunes 1.1.1  
iTunes-LAME Encoder 2.0.7  
Lame 3.93  
MidiKeys 1.6b3  
Synergy 1.3

### Comm

GPGMail 1.0.2  
iProfile 1.2  
MacReporter 1.1.5  
MaxNews 1.0b2 (Cls)  
MaxNews X 1.0b2  
More Internet 1.1.1  
Page Sender 3.2  
PulpFiction 1.0.2  
PulpFiction Lite 1.0.2  
Shrook 2.12  
SpamSieve 2.2.1  
Unison 1.5.1

### Design & Graphics

Can Combine Icons 3.0.5  
Easy Card 2.3.1  
Iconographer X 2.5

### Fun and Games

Battle for Wesnoth 0.8.4  
Big Bang Chess 1.21  
David's Backgammon 4.9.5 (Cbn)  
LinkLines 1.1.0 (Cbn)  
Lux 4.21  
Maelstrom 3.0.6 (Cls)  
Maelstrom X 3.0.6  
Quinn 2.0.2  
Snood 3.0 (Cbn)

### Interface

DockFun! 4.6  
DockSwitch 1.0  
DragThing 5.3.1  
Fidget Menu 1.2  
Fracture 1.2  
LaunchBar 4.0b9  
LazyMouse 1.0.6  
Matrix Reloaded GL 1.0  
SideTrack 0.9  
TypeIt4Me X 2.0  
TypeIt4Me X 2.0  
X-Assist 0.7

### Kitchen Sink

Final Excuse Pro 1.2  
iFlash 2.1.2  
iS3 X 1.0.1  
MacAstronomica 2.0.5

Noise 1.1  
Sproing 2.0.1

### Multimedia

Desktop Movie Player 2.2  
DVDRemaster 1.4  
Fullscreen Movie Player 2.2  
GCam 1.2  
iStopMotion 1.5  
JPEGDeux 1.7b  
Multimedia Tiler 1.6  
Photo to Movie 3.1.9

### Productivity

Listen&Type 2.2.1 (Cls)  
Listen&Type X 3.0  
Pyramid 1.2.2  
StickyBrain 2.0.1 (Cls)  
StickyBrain X 2.0.2  
Ten Thumbs Typing Tutor 3.0 (Cls)  
Ten Thumbs Typing Tutor X 3.0.1  
TimeNet 2.6.1  
TimeNet Lite 2.1  
Word Menu 2.2

### Utilities

FinderScape 1.0.1  
FMChecker 1.1.2 (Cbn)  
Font Cache Cleaner 1.0  
Font Explorer 2.0  
iTMS Extractor 1.0  
MisFox 1.2.1  
PDFLab 1.1  
Poster Print 1.0a5  
SlimBatteryMonitor 1.1  
Snapz Pro X 2.0.1  
Webmin 1.160  
WordService 2.5.2  
zsCompare 2.12

### STOCK CONTENTS

#### Graphics

GIFBuilder for OSX 1.0  
GifBuilder 1.0 (Cls)  
Goldberg X 2.4  
Goldberg 2.4 (Cls)  
GraphicConverter X 5.2.3 \*  
GraphicConverter 5.2.3 (Cls) \*  
Jade 1.2 (Cls)

#### Internet

AOL Instant Messenger 4.7 (Cbn)  
Better Telnet 2.0b4 (Cls)  
Camino 0.8.1 \*  
Eudora X 6.1.1  
Eudora 6.1.1 (Cls)  
Fetch 4.0.3  
Firefox 1.0pr \*  
iCab X 2.9.8  
iCab 2.9.8 (Cls)  
Interarchy 7.2.1 \*

Interarchy 6.3 (Cls)  
Internet Explorer X 5.2.3  
Internet Explorer 5.1.7 (Cls)  
MacSSH 2.1fc3 (Cls)  
Mozilla X 1.8a3 \*  
Mozilla 1.2.1 (Cls)  
MT-NewsWatcher X 3.4  
MT-NewsWatcher 3.1 (Cls)  
Netscape X 7.2 \*  
Netscape Communicator? 7.0.2 (Cls)  
Netscape MRJ Plugin X 1.0.1  
Netscape MRJ Plugin 1.0b5 (Cls)  
Niftytelnet SSH 1.1r3 (Cls)  
OmniWeb 5.0.1 \*  
Opera 7.54 \*  
Opera 6.03 (Cbn)  
Outlook Express 5.0.3 (Cls)  
RealPlayer X 10.0b  
RealPlayer 8 6.0 (Cls)  
Thunderbird 0.8 \*  
Windows Media Player X 9  
Windows Media Player 7.1.3 (Cls)

#### Others

BBEdit Lite 6.1.2 (Cls & Cbn)  
BBTidy 1.0b10  
DarkSide of the Mac 5.0.6 (Cls)  
Extension Overload 5.9.9 (Cls)  
MacTracker X 3.0b2 \*  
MacTracker 3.0b1 (Cls) \*  
Mariner LE 3.1.4 (Cls)  
MP3 Rage 5.8.4 (Cbn) \*  
SoundApp 2.7.3 (Cls)  
SoundJam MP Free 2.5.3 (Cls)  
Tex-Edit Plus X 4.8.1 \*  
Tex-Edit Plus 4.1.3 (Cls)  
textSOAP 4.0.3 \*

#### Utilities

Adobe Reader 6.0.1  
Adobe Reader 6.0.2 Updater  
Acrobat Reader 5.1 (Cbn)  
ADBProbe 1.0.3 (Cls)  
Aladdin DropStuff 6.0.1  
Aladdin Expander? 6.0.1  
Andrew's Disk Copy Scripts 2.1.1  
AntiWordService 2.0.1  
Default Folder X 1.9.5 \*  
Default Folder 3.1.5 (Cls)  
FinderPop 1.9.2 (Cls)  
PopChar Lite 2.7.2 (Cls)  
PopChar X 2.1.2 \*  
PrintToPDF 2.4.4 (Cls)  
SCSIProbe 5.2 (Cls)  
ShrinkWrap? 2.1 (Cls)  
Sleeper 3.5 (Cls)  
Snitch 2.6.7b2 (Cls)  
TechTool Lite 3.0.4 (Cls)  
TinkerTool 3.3 \*



## Shareware News October Demo Items

Demo by Owen Saxton



### FinderScape 1.0.1

FinderScape allows you to 'walk' around your disc space and check out & preview the contents. Features include:

- OpenGL rendering of files & folders.
- Preview images (JPEG, GIFF, TIFF, PSD, BMP, PDF etc).
- Preview sounds (MP3, AAC, MIDI, WAV, AIFF etc).
- Preview QuickTime compatible movies (MOV, MPEG, MPEG4 etc).
- Preview text with speech (TXT, RTF).
- Choice of 4 themes (choose in preferences).
- Localized for English & Japanese (Many thanks to the one & only E-WA).
- Simple and fun to use: ARROW KEYS to move around.
- Walk up to an item to select it. SPACE BAR to preview an item/ open folder .(see readme file or website for full control description).

**Requires OS X 10.2.4+. \$15.**



### Fracture 1.2

Fracture is a screensaver that draws fractal images. These are images created from mathematical formulas, and are often very beautiful. It can draw a variety of types of fractals, and is very configurable.

**Requires OS X 10.1.4+. \$10.**



### iS3 X 1.0.1

iS3 dials into NASA's web servers and uses their 'NASA Solar System Simulator' to return an image of any planet or moon as seen from any other planet (or some man made objects) at any given time along with some other options such as constellation lines and planet orbits.

**Requires OS X 10.1+. Free.**



### iTMS Extractor 1.0

iTMS Extractor is a utility to save music videos and movie trailers found on iTunes Music Store to your hard drive.

**Requires OS X 10.2+ and iTunes 4.0+. Free.**



### Snapz Pro X 2.0.1

Once Snapz Pro X is installed, a single keystroke can immediately save anything visible on screen in a wide variety of image file formats. Using Snapz Pro X, you don't have to tell people about how cool a game is or how to use a particular program — you can just take a picture or movie of it and show them. Snapz Pro X supports saving screen images as .bmp, .pict, .gif, .jpg, .png, .tiff, .pdf, or Photoshop files, and can even record the action as a QuickTime movie!

Screenshots can be scaled, cropped, color depth-changed, and dithered. Snapz Pro X can also add borders, generate automatic thumbnails, overlay watermarks/copyright notices... you name it, we got it! Snapz Pro wasn't just ported to Mac OS X, it was rewritten from the ground up to use the exciting new technologies that Mac OS X has to offer. Support for these cool new features permeates Snapz Pro X like genetic superiority in a thoroughbred: long file names, automatic preview icons on image files, Unicode/international support, and bullet-proof operation are just a few of the pleasantries you will enjoy.

**Requires OS X 10.1+. \$29.**



### Snood 3.0 (Cbn)

Snood is a fun puzzle game for Macintosh that will test your intellect rather than your reflexes. Your goal is to free all the trapped Snoods by launching other Snoods at them. If you connect three or more Snoods, they will transport away. If that leaves any Snoods not connected to the top of the playing field, they will fall to safety. Don't take too long, though: every Snood you launch increases the danger level. When the gauge fills up, the Snoods will shift downward.

**Requires OS 8.6+ or OS X 10.0+. \$15.**



### Sproing 2.0.1

Sproing is a soft-body simulator. By connecting "nodes" with virtual "springs", one can create objects of all kinds that bounce around your screen realistically.

Sproing is currently a beta - this is the first public release. Included in the download are a few sample objects to play with. To get started, open up one of the files and click "Preview" in the toolbar. Drag around the points that make up the object and watch it react realistically.

**Requires OS X 10.2+. Free.**



**StickyBrain 2.0.1 (CIs)  
StickyBrain X 2.0.2**

Store anything. Find anything. One click. StickyBrain is a powerful, free-form information manager that you don't have to be organized to use. It elegantly handles all the miscellaneous tidbits of information which don't cleanly fit in other software programs. You can treat StickyBrain like a big drawer — if there's anything you want to remember, throw it in StickyBrain and it will always be one click away.

**Requires OS 9.0+ or OS X 10.1+. \$40.**



**WordService 2.5.2**

This service provides 34 functions to convert, format or speak the currently selected text, to insert data or to show statistics of the selection within all Cocoa applications (e.g. Textedit, Mail, Stickies, Notes, Fire, OmniWeb, ProjectBuilder or TeXShop) and Carbon applications supporting services. Commands: - Reformat - Remove line endings/multiple spaces/quotes - Trim line beginnings/lineendings/lines - Sort lines ascending/descending - Shift left/right - Initial Caps Of Words/Sentences - All Caps/LowercaseMacintosh/Windows/Unix line endings - Mac- to Windows-Encoding/Windows- to Mac-Encoding - Encode/Decode tabs - Straight/Smart quotes - Rotate13 - Insert short/long date or date & time - Insert time - Insert contents of path - Speak native/german text - Stop speaking - Statistics.

**Requires OS X 10.2+. Free.**

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We Will be meeting  
at the  
**Redwood Room Bldg. 48**  
and Not  
at Panofsky Auditorium  
*(See map with directions on page 8)*

*SMUG Newsletter Potpourri . . .*

**Macworld SF — January 10-14, 2005:  
Conference & Expo Discounts**

For a limited time, user group members can register at <http://www.macworldexpo.com> for a free exhibits-only pass (deadline Nov. 22) or a 15 percent discount on all conference packages (deadline Dec. 10) at Macworld Conference & Expo San Francisco (January 10-14).

*These discounts are only available to user group members using the User Group Priority Code: H0101 where the 0's are zeroes.*

**Adobe Photoshop Elements – New Version**

Adobe recently announced Photoshop Elements 3.0 for the Mac. This version is unique to the Mac, whereas version 2 came with both Windows and Mac versions on the same CD. Version 3 will cost \$89.99, \$10 less than the Windows version (a first for Mac software pricing?) – the reason may be because Adobe says that this package will be compatible with iPhoto. Adobe is offering a \$20 upgrade rebate to users of version 2; Amazon is offering a separate \$20 rebate for anyone, but the Amazon rebate is for purchases made before **November 1**. If you're eligible for both rebates, it brings the down to \$49.99 for an incredible product. (It looks like the new Windows version may combine Elements with the formerly separate Photoshop Album organizing/sharing software package.)

**--- IMPORTANT READ-ME ---**

**Security and You**

To pass through the security gate on **November 1** you will need:

- **To be on our list of members**  
If your membership has lapsed, send me an email by Saturday, **October 30**
- **aquaman47@mac.com**, to tell me you plan to attend
- **(Of course, err, um, don't forget to pay your dues at the meeting)**

**AND !!! Be prepared to show a photo ID at the gate.**

All guests are welcome as always, but you or they must email me by **November 1** so they can be on the list of attendees to be submitted to SLAC security.

Thanks for your cooperation.

*-Frank Smith*

## Goodbye Arm, Hello Slab Continued from pg. 2

wireless Bluetooth keyboard and mouse). The iMac G5 also sports VGA output (supporting an external monitor in mirror mode only), S-video and composite video output, 10/100 Base-T Ethernet, and a 56K modem. The video-out options require adapters that fit into the same mini-VGA port found on previous iMacs and some iBook, PowerBook, and eMac models.

<<http://www.apple.com/keyboard/>>

<<http://store.apple.com/1-800-MY-APPLE/WebObjects/AppleStore?productLearnMore=M8639G/A>>

<<http://store.apple.com/1-800-MY-APPLE/WebObjects/AppleStore?productLearnMore=M9109G/A>>

Estimated shipping for each model is three to four weeks. Given Apple's difficulty in getting PowerPC G5 chips from IBM, and the now-standard delay in ramping up manufacturing for a major Mac model, it may be realistic to double those numbers as a time-frame for delivery. Although the company has missed the back-to-school buying period, you can bet it will be working hard to churn out new iMacs in volume by the time the holiday buying season begins in November.

<<http://www.forbes.com/markets/2004/08/16/0816automarketscan11.html>>

**The New Design** — The iMac G5's specifications are impressive (even though we think 256 MB of RAM is skimpy), but it's the new design that is sure to get the most attention. Despite the machine's 2-inch depth, the power supply is integrated into the unit, making it a true all-in-one computer (compare that to the tiny Power Mac G4 Cube, which was small in part because it had a large external power supply).

<<http://www.apple.com/imac/design.html>>

One of the best features of the iMac G4 was its adjustable display. With the iMac G5, the entire body tilts vertically between -5 and 25 degrees on its aluminum base (the negative tilt can be handy for children and users looking up at the computer), but the iMac G5 cannot be raised or lowered, and only pivots side to side by moving the entire base.

Then again, who wants to adjust it at all? You can add a VESA mount to the iMac and hang it from your wall like a picture. Combine a wall-mounted iMac G5 with Open Door's Envision and Apple's Bluetooth wireless keyboard and mouse and you've got one heck of a cool Mac that doubles as art when you're not using it. Apple will be selling an iMac G5 VESA Mount Adapter Kit starting in October; no price is yet available.

<<http://www.vesa.org/>>

<<http://www.opendoor.com/envision/>>

<<http://store.apple.com/1-800-MY-APPLE/WebObjects/AppleStore?productLearnMore=M9755G/A>>

As you might expect, the PowerPC G5 processor requires clever heat dissipation within such a small area. Three variable-speed fans cool the processor, hard drive, and logic board, and are capable of running quietly: the machine runs as soft as 25 dB when idle (whispered speech is about 30 dB), but there's no telling yet how loud the fans are during normal use, and TidBITS readers who saw the new iMac at Apple Expo in Paris weren't able to judge the noise level on the loud show floor. Heat also rises upward through a slit on the back of the iMac; it will be interesting to see if all that heat coming out of the top is detrimental to a mounted iSight.

<<http://db.tidbits.com/getbits.acgi?tlkthrd=2304>>

Other small touches abound, in typical Apple industrial design fashion. The front of the iMac G5 isn't cluttered with exposed speaker grilles; rather, the built-in speakers are directed down from the bottom of the case, so that the sound bounces off a desk or tabletop.

The iMac G5 is also extremely user-accessible - not just in terms of how you interact with it, but also how you get into its innards. The entire back shell comes off (using screws that won't fall out of their holes and get lost), exposing the components that Apple says can be user-replaceable: the AirPort Extreme card, memory, hard drive, optical drive, power supply, LCD display, modem card, and the logic board, power supply, and fans (which Apple calls the "mid-plane assembly"). Removing the back also reveals four diagnostic LEDs that can help you troubleshoot a problem, or relate to an Apple technician over the phone.

<<http://docs.info.apple.com/article.html?artnum=86812>>

<<http://docs.info.apple.com/article.html?artnum=86815>>

**A Big iPod?** As Adam wrote in "Macworld Expo SF 2004: Enter the Musical Trojan Horse," the iPod and the iTunes Music Store are Apple's secret weapon for convincing Windows users to switch to the Mac. After all, both the iPod and iTunes work in Windows, so it's not as though people are being forced to buy a Mac; they're buying Macs because they've seen what attention to design and detail means on an everyday basis. And if you don't believe that Apple is playing that connection for all it's worth, note the headline on the Apple Web site: "From the creators of the iPod. The new iMac G5." Buy one, buy the other. Make Steve happy.

<<http://db.tidbits.com/getbits.acgi?tbart=07499>>

*This version of "iMac G5: Goodbye Arm, Hello Slab!" is specially formatted for printing. It contains no logos, graphics, watermarks, visual layout, colored text, or ink- and toner-consuming items. Please do not bookmark this page. You can find this article at*

<<http://db.tidbits.com/getbits.acgi?tbart=07801>>.

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## SMUG Member Registration

Phone (650) 286-7539

WEB Site <http://www.pa-smug.org>

NAME : \_\_\_\_\_

ADDRESS : \_\_\_\_\_

PHONE NUMBER : (    ) \_\_\_\_\_

E-MAIL : \_\_\_\_\_

**Registration Fee is \$45 which includes a family member.**

**Mail check with this form to**

**SMUG**

**P.O. Box 20132**

**Stanford CA.94309**

If you would like to join Smug please fill out the above form and mail to the address indicated. Please check out our website for more information or call if you have any questions.

## Calendar of Events

**Monday, November 1**

**General Meeting:**

**Redwood Room of Bldg. 48,**

Stanford Linear Accelerator Center (SLAC),

2575 Sand Hill Road, Menlo Park.

**Shareware Team meeting** at Owen Saxton's house,

1442 San Marcos Circle, Mt. View.

Meeting starts at 7:15 pm.

*(See page 2 for Owen's phone number and E-mail address).*

**Tuesday, November 9**

Board of Directors meets at 6:45 pm

Harmony Bakery, 299 California Ave. Palo Alto.

**Friday, November 26**

DEADLINE for Newsletter articles and Calendar items to be submitted by email to [bleiler@pa-smug.com](mailto:bleiler@pa-smug.com)

## november 2004

Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

## december 2004

Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

We thought the above calendars would be helpful for those people who don't have E-mail. This is the projection for the upcoming meeting dates.

# SMUG

STANFORD/PALO ALTO MACINTOSH USER GROUP

P.O. Box 20132  
Stanford, CA 94309-20132  
(650) 286-7539  
<http://www.pa-smug.org>

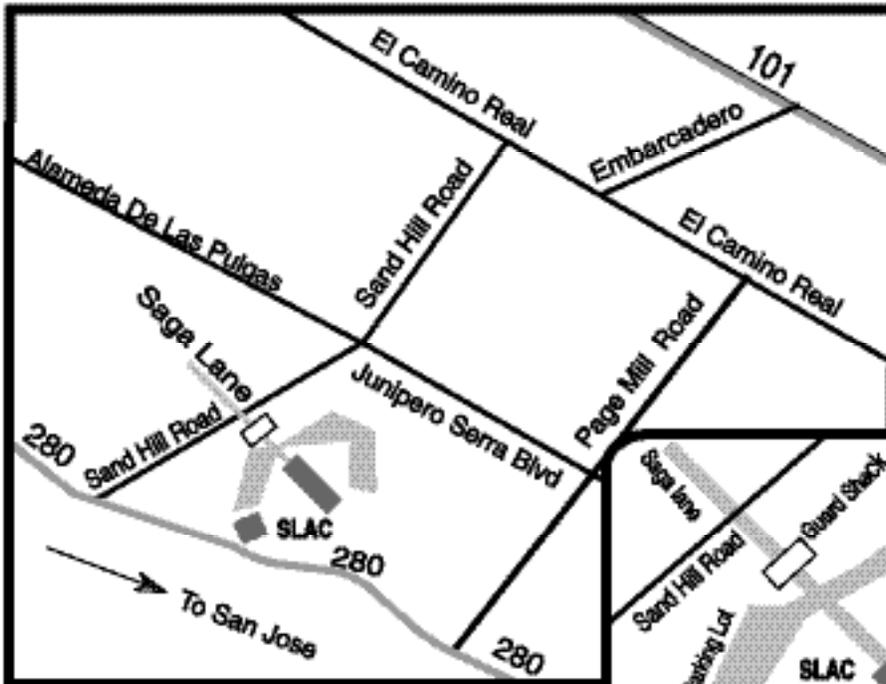
## NEXT MEETING

**Monday November 1, 2004**  
in Redwood Room of Bldg. 48 and NOT in  
the Panofsky Auditorium

### Program:

To be announced check the website

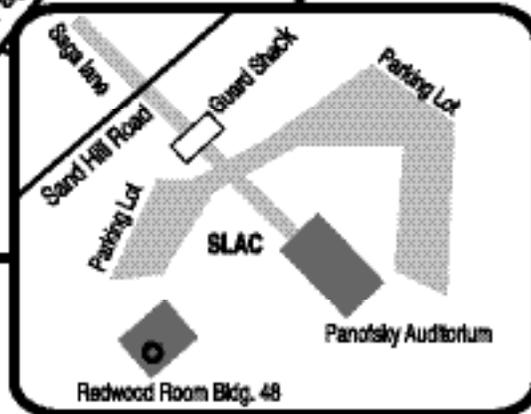
\*\*\* The December meeting will be changed from  
December 6 to the 13th due to a conflict in dates  
with SLAC \*\*\*



The Meetings are generally held on the **First Monday** \* of the Month

**Redwood Room Bldg. 48**  
Stanford Linear Accelerator (SLAC)  
2575 Sand Hill Road, Menlo Park

\* Some exceptions on holidays



### DIRECTIONS:

When you pass the Guard shack you take a right and park in the parking lot to the right. Bldg. 48 and the Redwood room is across from the parking lot. Any questions ask the guard.