

State of the Newton

Adam Tow
Worldwide Newton Conference
January 14, 2006

State of the Newton

- WWNC 2004 Recap
- Newton Before
- Newton Today
- Newton Tomorrow

WWNC 2004 Recap



September 4, 2004
Paris, France

WWNC
coincided with

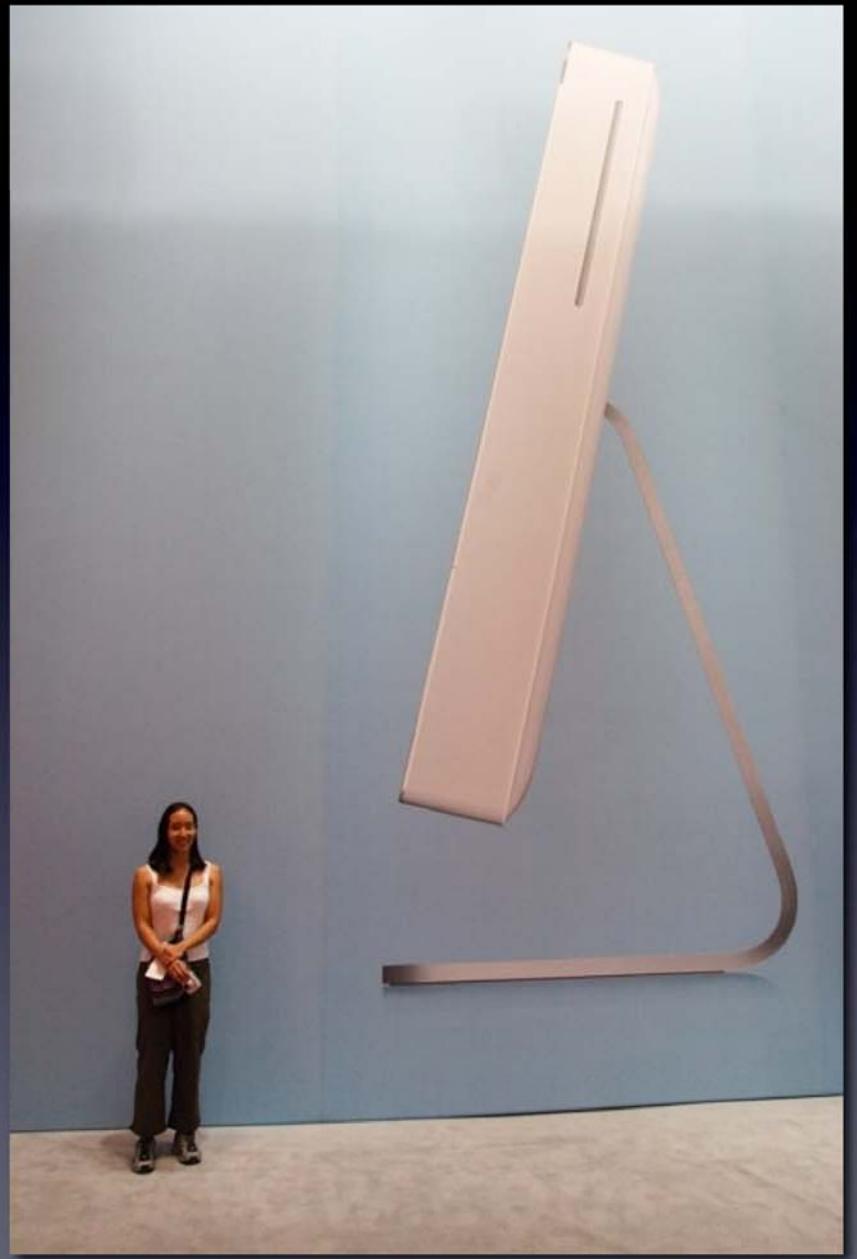


Apple Expo

Porte de Versailles, Paris

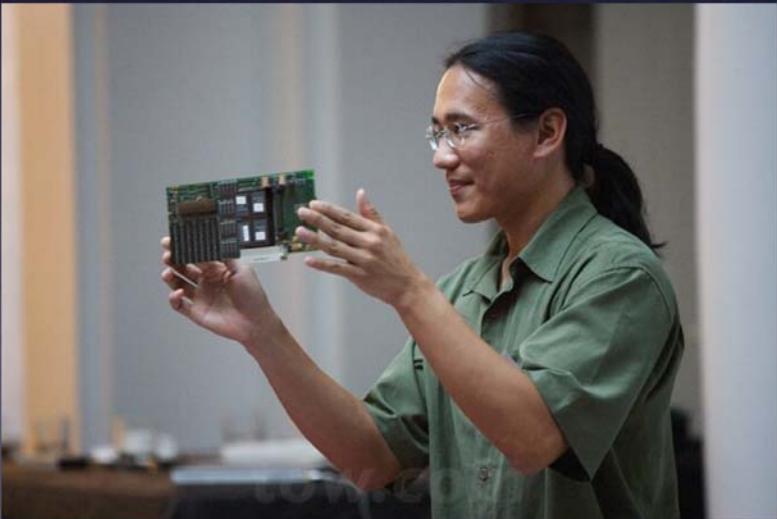
Aug 31 to Sept 4, 2004

Where we witnessed
the introduction of



As for the conference





In addition to learning

We had time to relax
and socialize





WWNC 2004

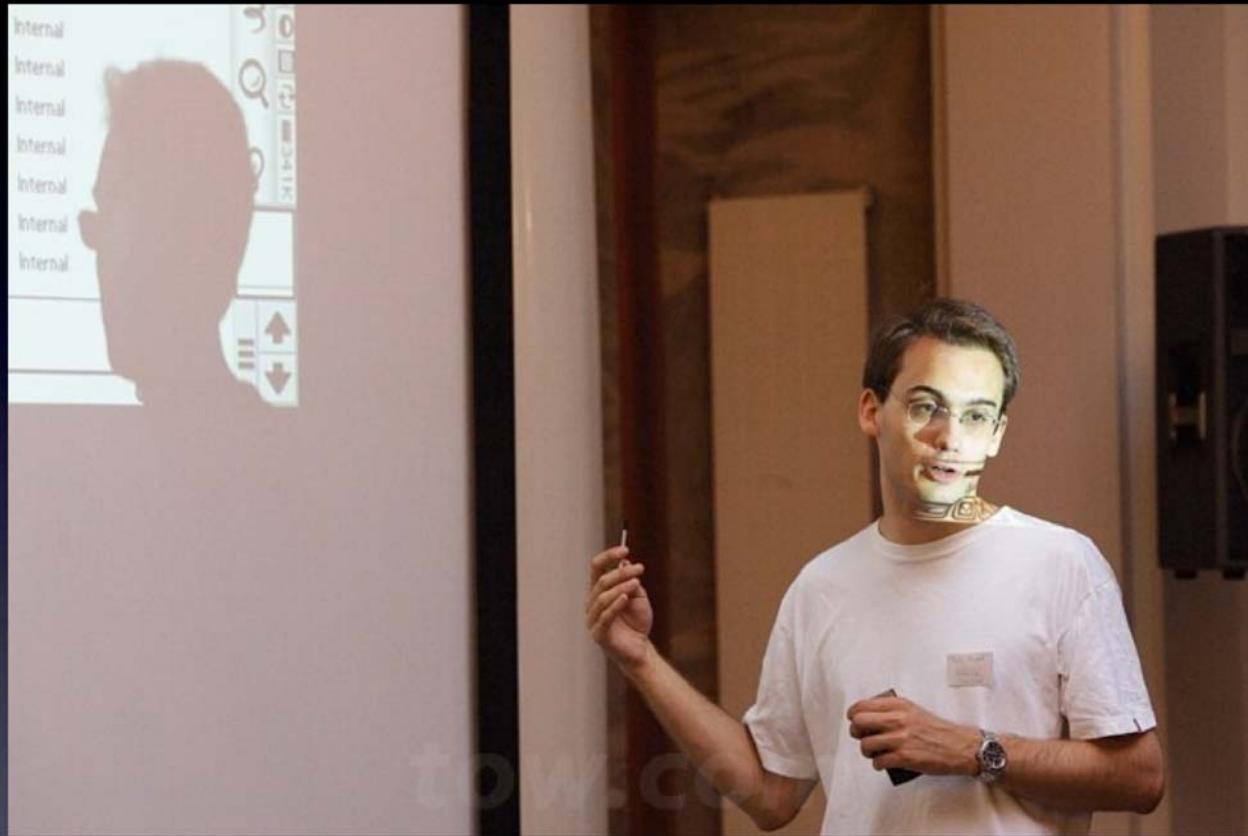
So definitely take
advantage of the
community assembled

The biggest news from
the WWNC 2004

Einstein

Newton never dies
It only gets new
hardware

Paul Guyot
Graduate Newton Conference 2004



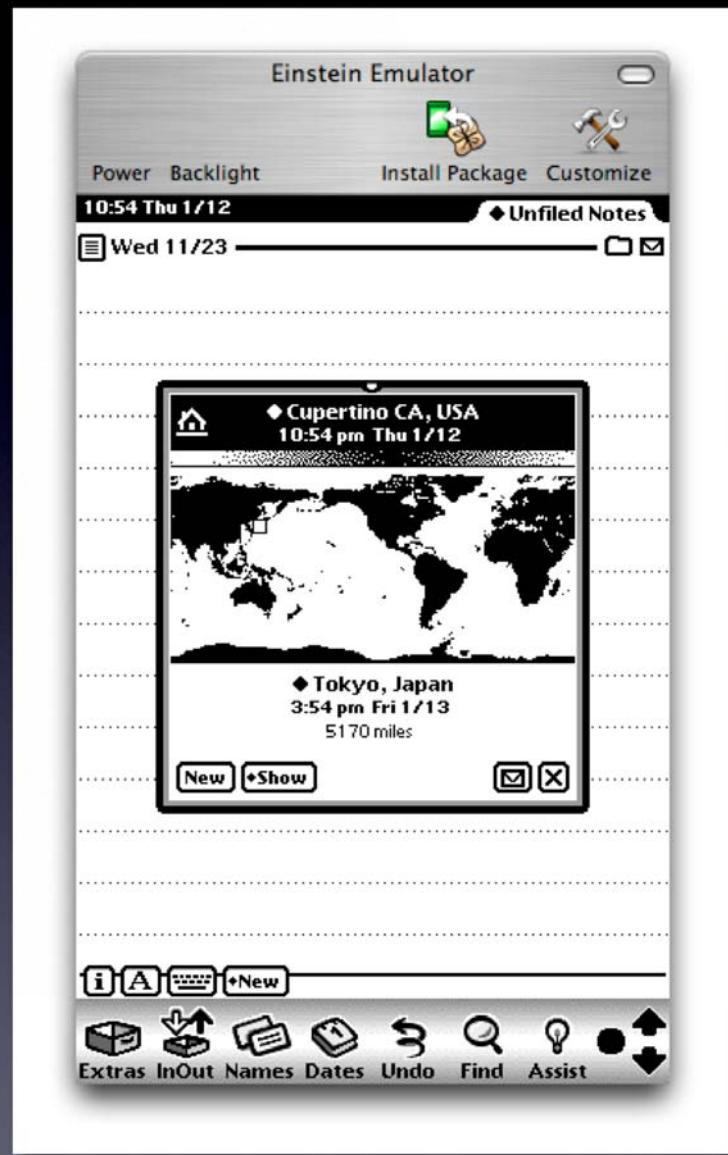
The man behind Einstein: Paul Guyot

At the time, the
emulator was barely



Paul apologizing for the lack of speed

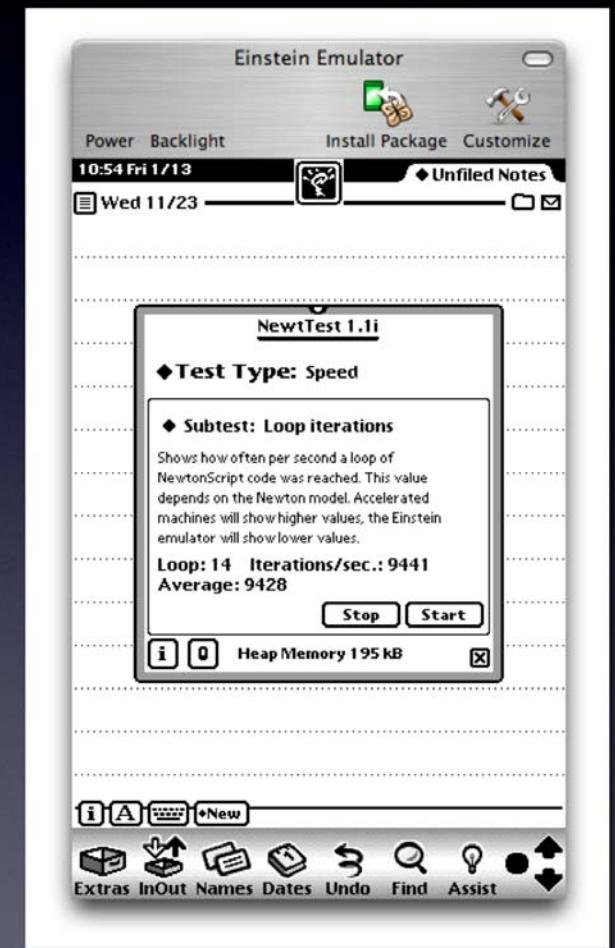
Today, it's usable



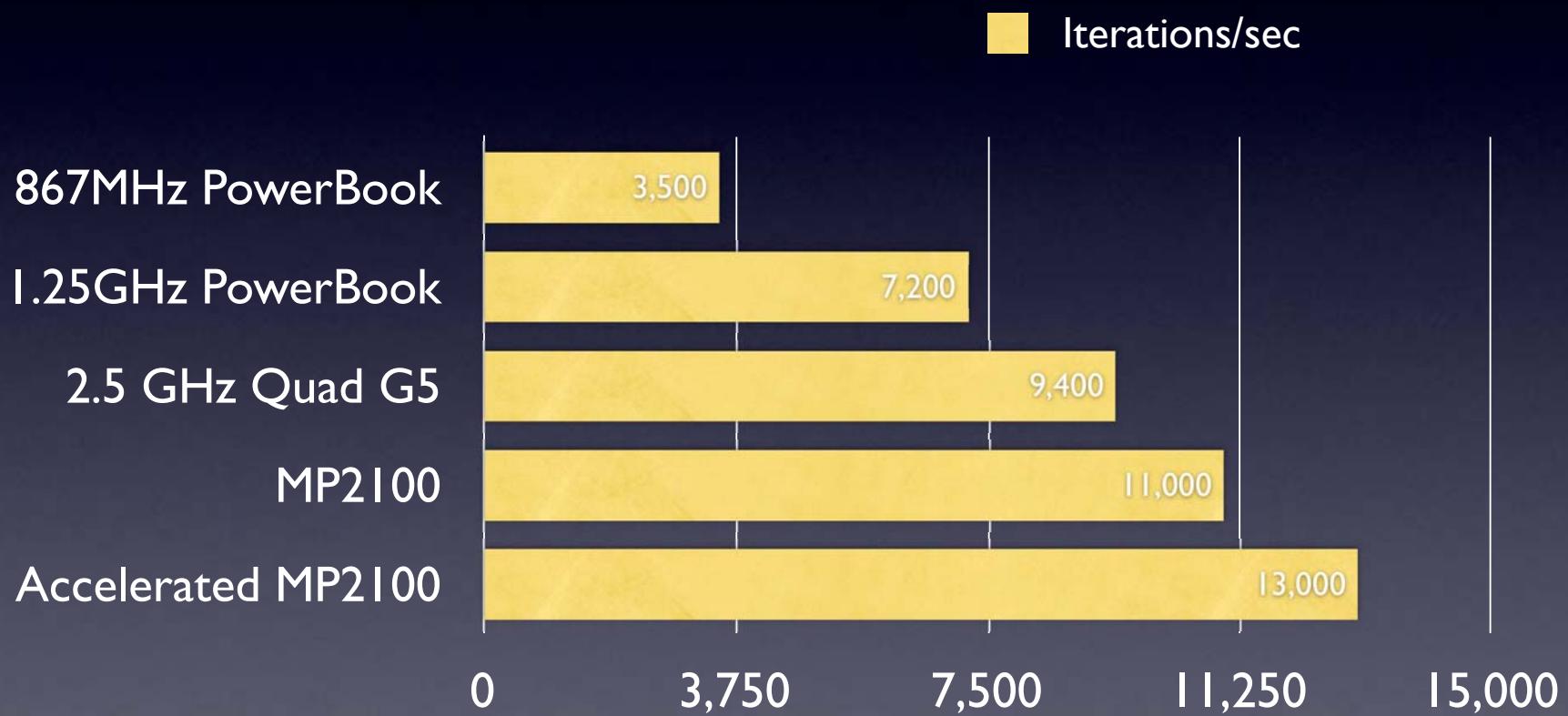
Einstein Benchmarks

NewtTest

- By Frank Gruendel
- Loop iterations test
 - Shows how often per second a loop of NewtonScript code was reached



Einstein Benchmarks



Newton Before

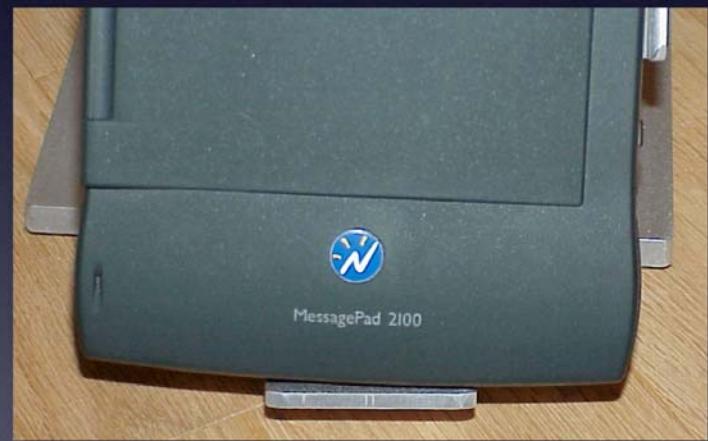
Newton Timeline

- Old Timer
 - 1993-1998
- Dark Ages
 - 1998-2001
- Renaissance
 - 2001-2005
- Enlightenment

Newton's Cancellation 1998

Newton, Inc. was going
to be spun-off as a
wholly-owned
subsidiary in 1997

Business cards were printed, badges were made, and production line for the MP2100 changed to use the Newton, Inc. logo



Something happened on
the way to
the spin-off



Then Gil Amelio was
pushed out as CEO, and
the prodigal son



Steve Jobs returned

Newton, Inc. was rolled
back into Apple in

Letter to Steve Jobs



Homma's Brown Rice
Sushi, a popular
restaurant in
Palo Alto

“Adam,

The Emate has a bright future - and it is for this reason that I am pulling it back into Apple -which has the resources to market and sell it much more broadly. You can imagine that a small spin-off company would not have such a large sales force or marketing budget. With the appropriate investments in sales and marketing, we hope that the Emate can become a great success.

We are a little more confused about the MessagePad. Since it costs more (\$1K or more vs \$700-799 for the Emate) and has no keyboard, its market seems more limited than the Emate. However, sales of the current MessagePad are brisk, so who knows... What do you think?

Don't worry - we are pulling this group back into Apple so that we can invest even more sales and marketing resources into these products, rather than dumping the products into a small spin-off which lacks such resources.

Best,
Steve”

The Newton
community knew
something was going
to happen on
February 27, 1998,
but we didn't

Would they sell
Newton to another
company?

Would they discontinue
Newton?

That morning, I went for a three-hour bike ride!



and when I returned home

“Apple Computer, Inc.
today announced it will
discontinue further
development of the
Newton operating
system and Newton
OS-based products”



Newton Protest

- March 6, 1998
- Held at Apple campus in Cupertino
- 70-100 protesters
- Coverage in CNet, San Jose Mercury News, San Francisco Chronicle, and Minnesota Public Radio
- Peaceful protest

Apple faces crunch time

It's making headway but sales are lagging

■ APPLE

from Page 1E

the mood is still cautionary, especially since recent cancellation of the Newton hand-held device. And a significant amount of Apple talent is fleeing the Mac platform to do something they never thought possible: embrace the world of Windows.

"It is make-or-break time," said Daniel Kunstler, senior equity analyst with J.P. Morgan Securities. "An eroding tech business is an oxymoron. It doesn't stay in business long. They're close to that bedrock, and their revenues have to bounce off that bedrock and start to rise again."

Apple executives last week declined to discuss the company's fortunes. But a spokeswoman hinted the cone of silence might soon be lifted. Three upcoming events — an



Adam Tow, president of the Newton's Developers Association talks to Newton fans protesting Apple's decision to quit offering the hand-held device. In the critically important community of people who develop software for the Mac, the mood is still cautionary.

MERCURY NEWS FILE PHOTOGRAPH

What Did Steve Do?

Let Them Eat
Milk and Cookies!

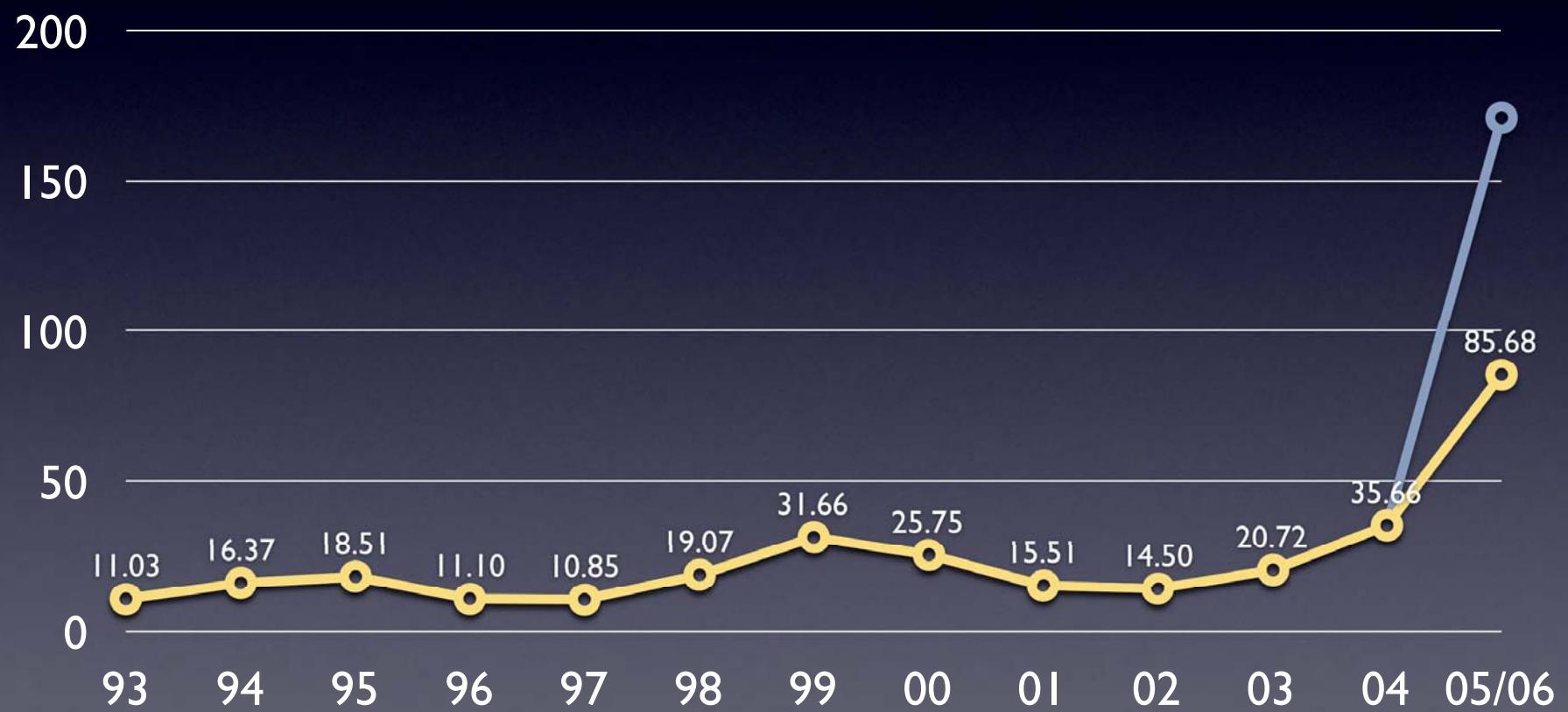
Looking back...

Apple had to do drastic
things to survive
at the time

What would you rather
have today?

Mac OS X or Newton?

AAPL 9/93–1/06



Newton Today

Newton Today

- Software Innovations
- Hardware Innovations
- Newton Community

Software Innovations

Mainstream
technologies that didn't
exist in Newton's time

- Internet
- Communications
- Wireless
- Personal Web Sites
- Blogs
- Music Players

Newton Communicates



Fax



Print



Beam



Sync



Email



Wireless

Had Newton not been
designed so well

None of these products
would be possible

Internet

- NPDS, Newton Personal Data Sharing
 - Newton = Webserver
 - <http://npds.free.fr/>
- Raissa
- nBlog



Communications

- 802.11b Wireless Driver
- Blunt Bluetooth Driver
- Nitro IrDA Stack
- Simple Mail and Mail V



Music

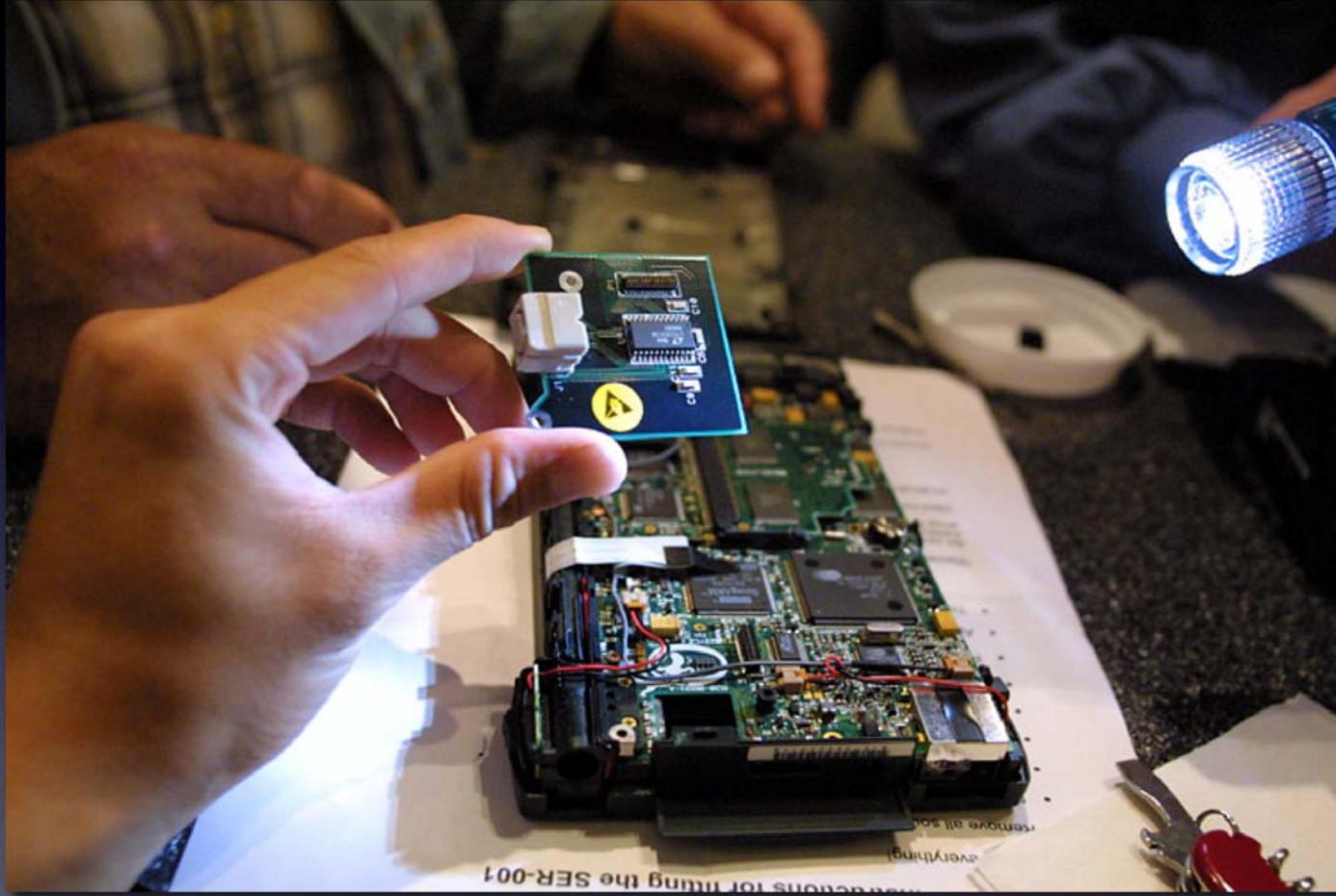
- MAD Max
- iTunes plug-in
- MP3 Decoder
- ATA Support
- Gigabytes of music using PC Card slots
and memory cards



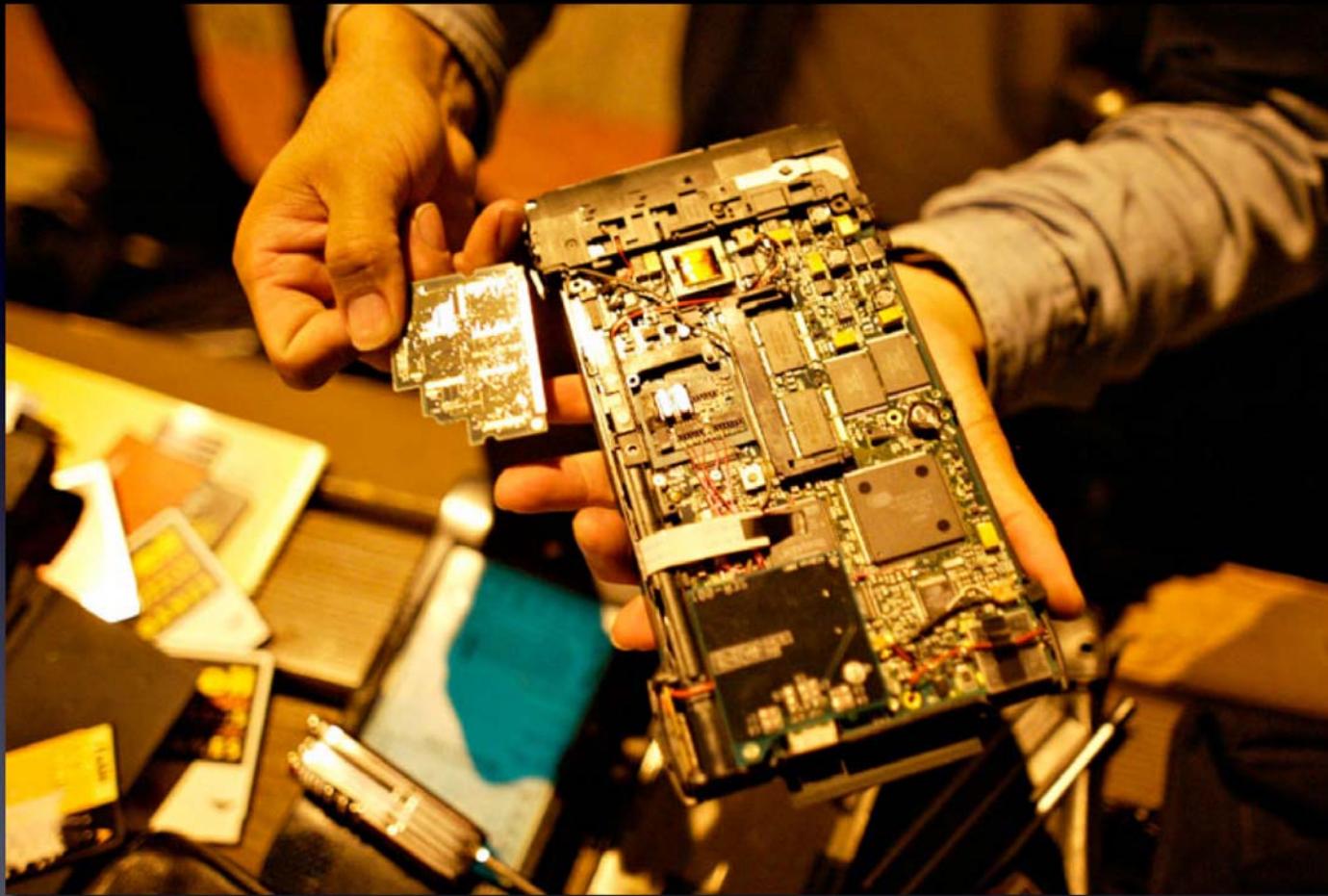
ATA Support

- Enables the use of ATA storage cards on the Newton
- Use of Compact Flash, Secure Digital, Smart Media, MMC, and Memory Stick memory cards via PC Card adapter
- <http://www.kallisys.com/newton/ata/>

Hardware Innovations



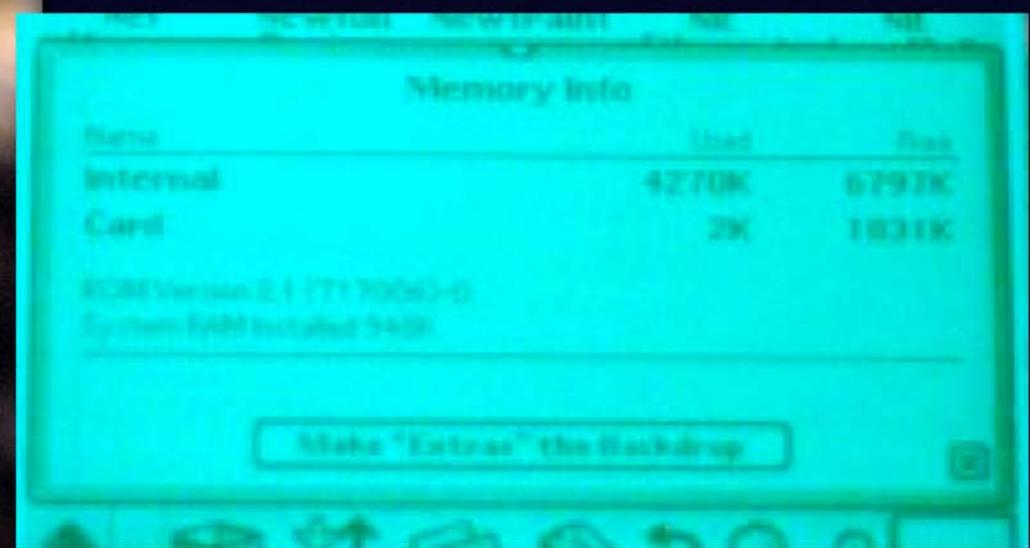
SER-001 Serial Port Card



Accelerator Boards



Internal Memory Expansion







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Replacement Backlights

Newton Community

The Newton
community has kept
on its backlights
for 13 years



Stanford Newton User Group

- SNUG
- Meets every fourth Tuesday of the month
- Printer's, Inc. Café in Palo Alto
- 8:00–10:00 pm



SNUG 5th Anniversary Meeting 1999



SNUG 6th Anniversary Meeting 2000



SNUG 7th Anniversary Meeting 2001



SNUG 8th Anniversary Meeting 2002



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SNUG 9th Anniversary Meeting 2003



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SNUG 10th Anniversary Meeting 2004



SNUG 11th Anniversary Meeting 2005

12 years and counting
January 24, 2006!

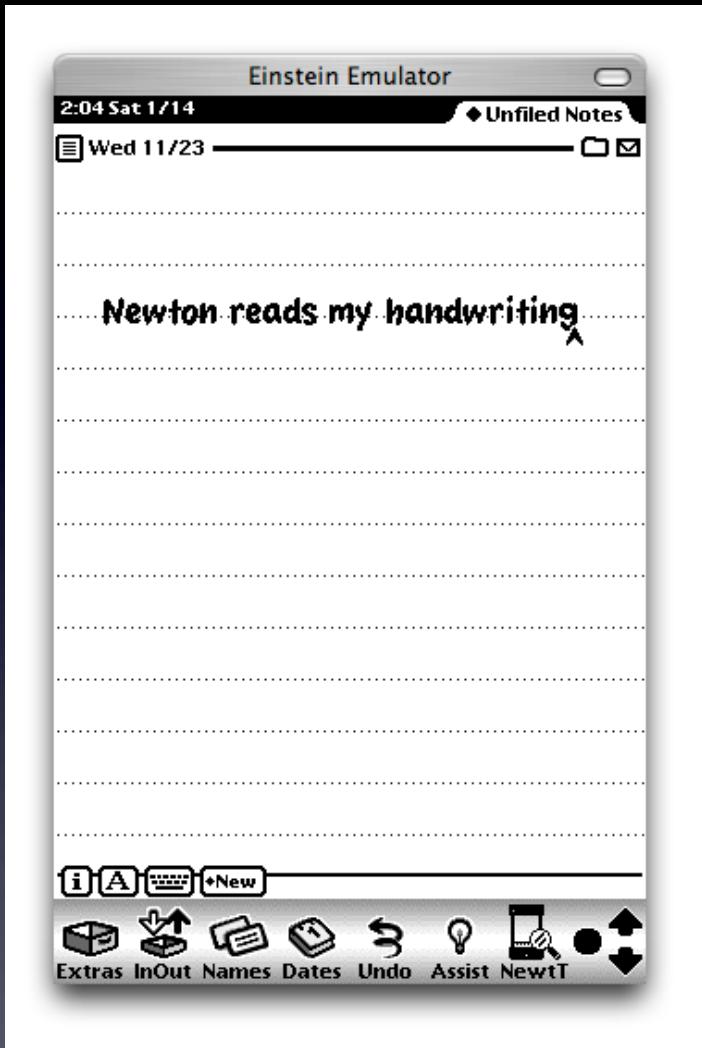
Newton Tomorrow

Newton Assets

- Excellent handwriting recognition engine
- Elegant mobile user interface
- Sophisticated data handling systems

Bits and pieces of
Newton technology
have made their way

- Inkwell
- Sharing of data across different applications
 - Notes, Dates, Names, Email, & Calls
 - Address Book, iCal, iTunes, Mail
 - iLife and iWork



InkWell

iCal

Saturday, January 14

Worldwide Newton Conference at MacWorld SF

8 AM

9 AM 9:00 AM Worldwide Newton Conference

10 AM

11 AM

Noon

1 PM

2 PM

3 PM

4 PM

5 PM

6 PM

Einstein Emulator

Saturday, Jan 14

January 2006

S	M	T	W	T	F	S
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				

Meeting

Title Worldwide Newton Conference

Date Sat, Jan 14, 2006

Time 9:00 am - 4:30 pm

Invitees Adam Tow

Location

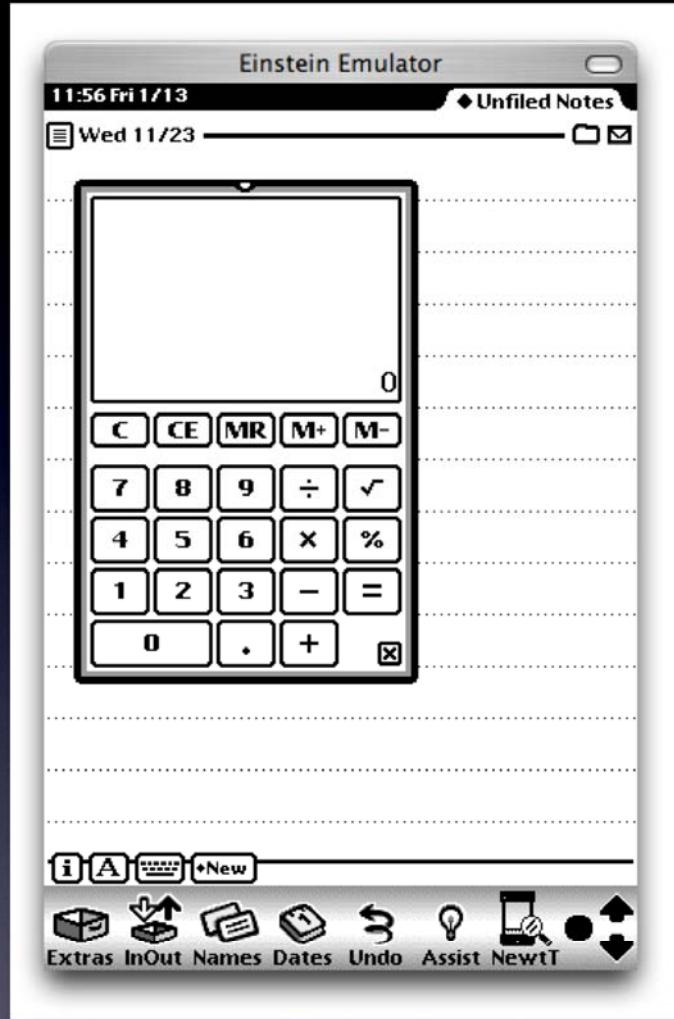
Alarm None

Repeat Don't repeat

Add Notes

Extras InOut Names Dates Undo Assist NewT

Events & To Dos



Newton Drawbacks

- Aging hardware platform
- Size
- Technology innovation slowdown
- Dwindling number of users

Newton as we know
and love today
is doomed

But there's hope at the
end of the tunnel



MacWorld San Francisco 2006

Who Would Have Thought?

The more
things change...

Paris 2004



San Francisco 2006



PowerPC G5

Intel Core Duo

The soul of the
Macintosh

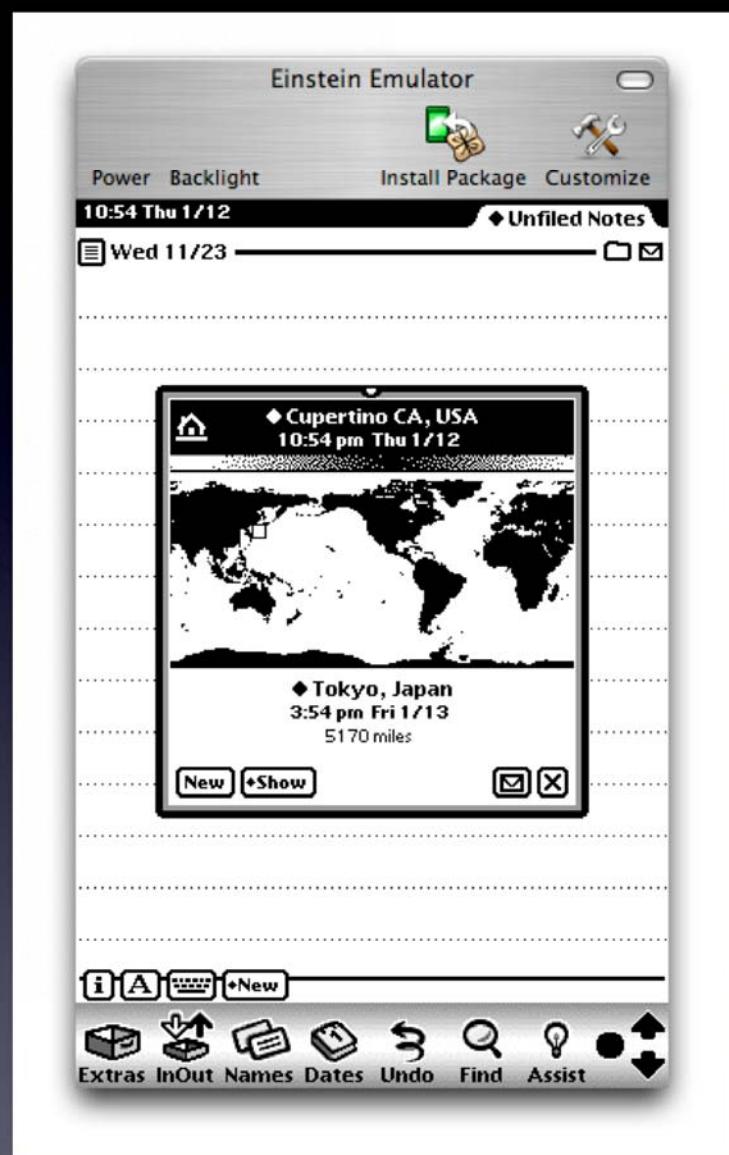
lies not in the
processor

but in the user
experience and

Newton is also
experiencing a



MessagePad 2100



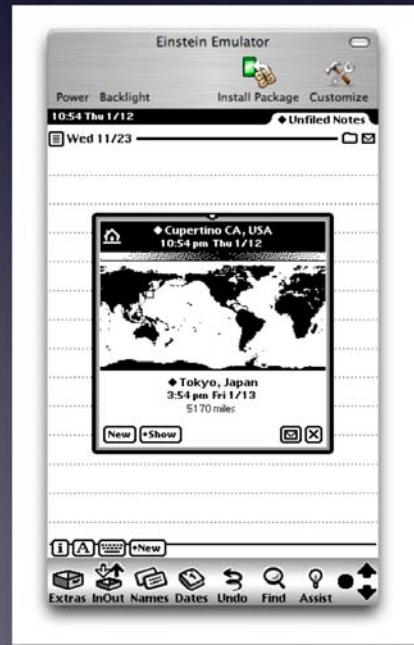
Einstein Emulator

Despite the great work
by the Newton

The future lies not with the existing hardware



But in bringing Newton to other platforms



All screens are simulated.

All screens are simulated.

How is that possible?

The Einstein Project

- 1- Write a Newton Emulator with all the hardware
 - 2- Port NewtonOS to ARM-powered PDAs
 - 3- Extend NewtonOS on this new hardware
-
- Each small step is important for the platform



WWNC 2004

Einstein Goals in 2004

- Write a Newton emulator with all the hardware
- Port NewtonOS to ARM-powered PDA's
- Extend NewtonOS on this new hardware

What's Paul
up to in 2006?



What did you ask for Christmas?

Stay tuned, Saturday Jan. 14, 16:15.

Worldwide Newton Conference 2006

Conclusions

It has been said

Newton never dies,
it just gets new
batteries!



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Looking to 2006,
perhaps it's time to say

Newton never dies,
cause it's in what you
use today!

Einstein Emulator

12:21 Sat 1/14

Wed 11/23

Unfiled Notes



Extras



InOut



Names



Dates



Undo



Assist



Newt



Thank You!