25 Years of PDF

Richard Cohn | Adobe

Adobe

2018-05-14

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1985 – Macintosh & LaserWriter

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1985 – "Distillery"

SCHEDULE E (Form 1040)
Department of the Treasury
Internal Revenue Service

Supplemental Income Schedule

(From pensions and annuities, rents and royalties, partnerships, estates and trusts, etc.)
▶ Attach to Form 1040 ▶ See Instructions for Schedule E (Form 1040).

19**79**

Name(s) as shown on Form 1040 | Your social security number

Part I **Pension and Annuity Income.** If fully taxable, do not complete this part. Enter amount on Form 1040, line 17.

For one pension or annuity not fully taxable, complete this part. If you have more than one pension or annuity that is not fully taxable, attach a separate sheet listing each one with the appropriate data and enter combined total of taxable parts on line 4.

1a	Did you and your employer contribute to the pension or annuity?	☐ Yes ☐ No	
b	If "yes," do you expect to get back your contribution within 3 years of the date you receive the first payment?	☐ Yes ☐ No	
c	If "Yes," show: Your contribution ▶ $....., d Contribution received in prior years ▶	1d	
2	Amount received this year	2	
3	Amount on line 2 that is not taxable	3	
4	Taxable part (subtract line 3 from line 2). Enter here and include in line 18 below	4	

Part II **Rent and Royalty Income or Loss. If you need more space, attach a separate sheet.**

5a	Have you claimed expenses connected with your vacation home (or other dwelling unit) rented to others (see Instructions)?	☐ Yes ☐ No
b	If "yes," did you or a member of your family occupy the vacation home (or other dwelling unit) for more that 14 days during the tax year?	☐ Yes ☐ No
6a	Did you elect to claim amortization (under section 191) or depreciation (under section 167(o)) for a rehabilitated certified historic structure (see instructions)?	☐ Yes ☐ No
b	Amortizable basis (see Instructions) ▶	

	(a) Property code (describe in Part V)	(b) Total amount of rents	(c) Total amount of royalties	(d) Depreciation (explain in Part VI) or depletion (attach computation)	(e) Other expenses (explain in Part VII)	(f) loss	(g) income
	Property A.						
	Property B.						
	Property C.						
	Property D.						
	Property E.						
7	Amounts from Form 4835 . .						

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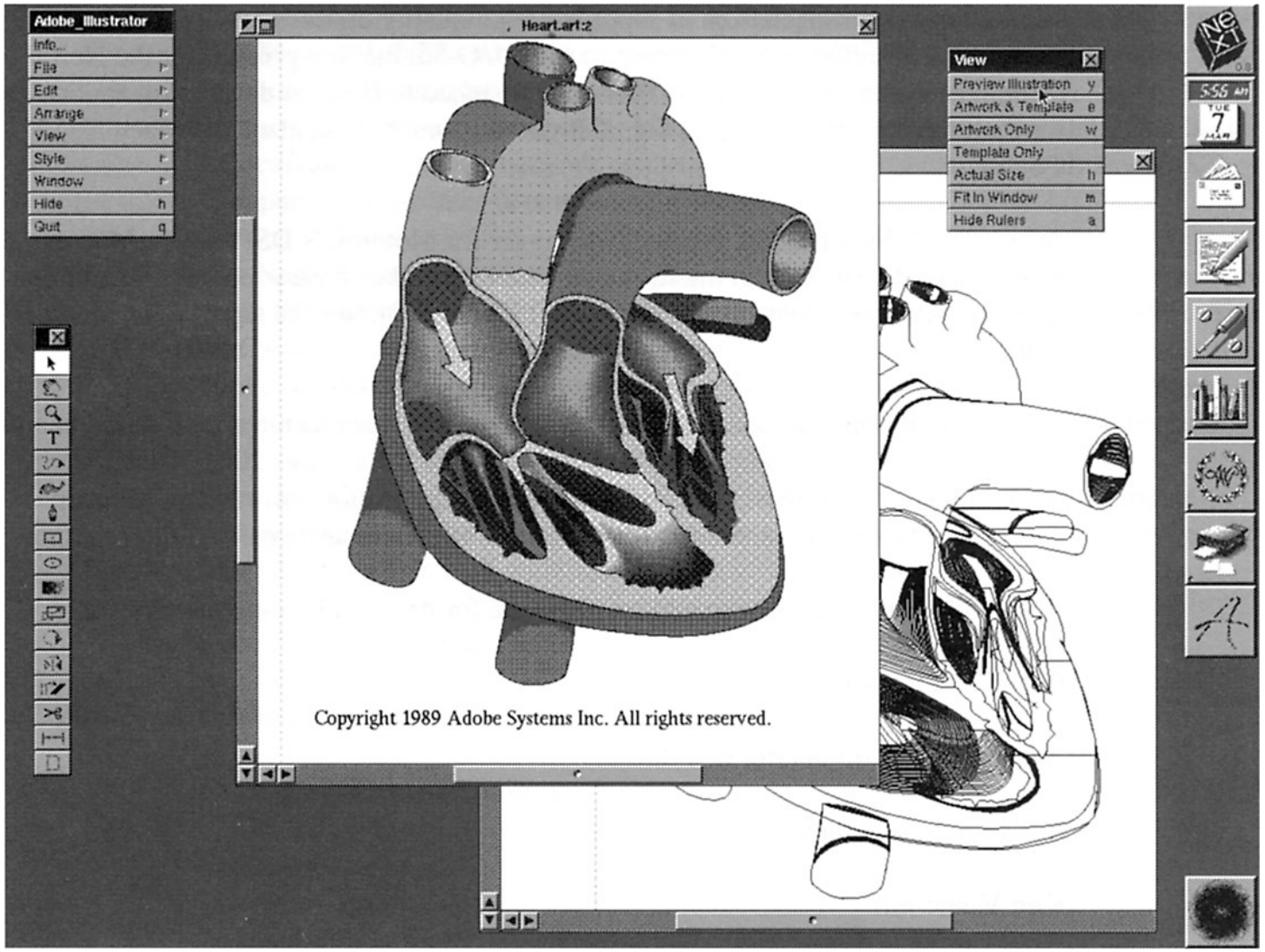
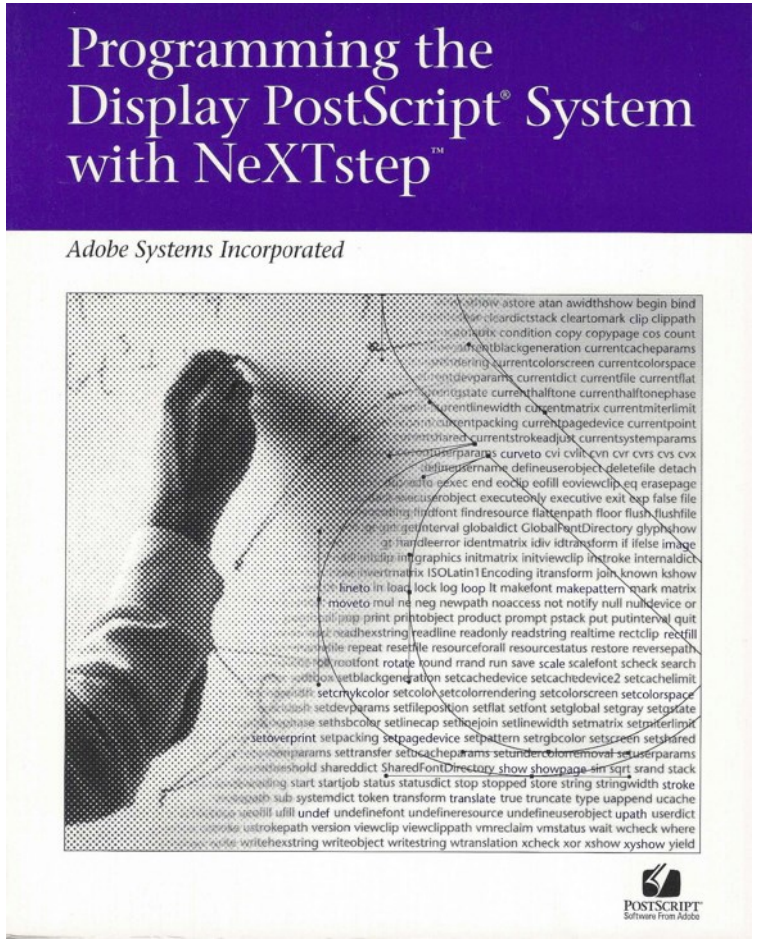
1989 – Display PostScript





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1989 – Font Wars!

"the biggest bunch of garbage and mumbo-jumbo I've ever heard"

https://allaboutstevejobs.com/bio/key_people/john_Warnock

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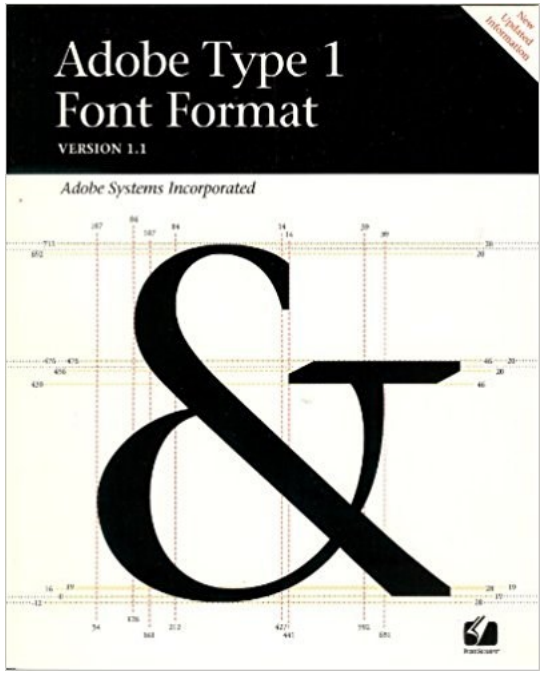
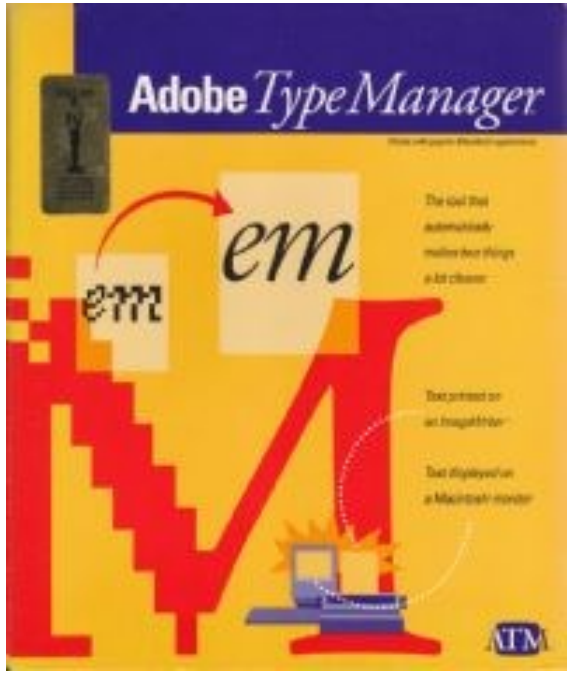
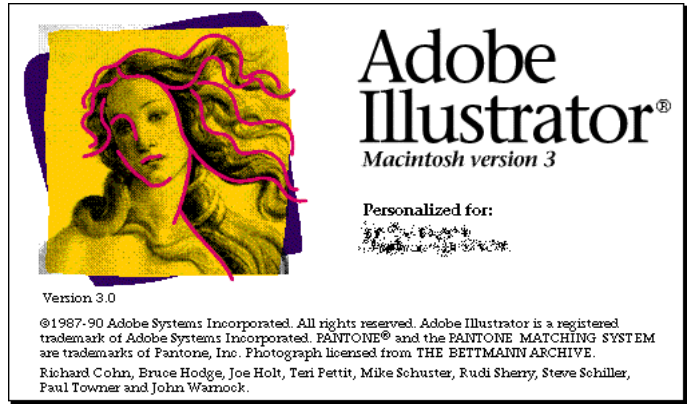
1990 – Adobe's Response







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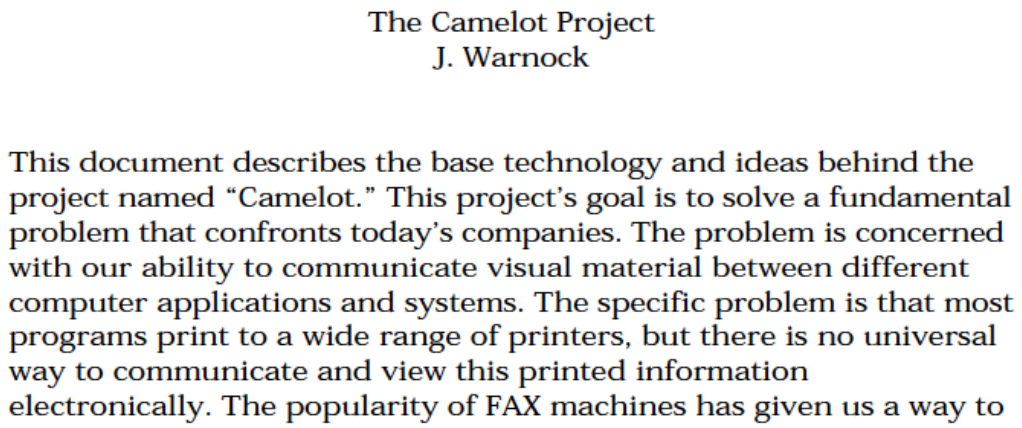
1990 – Camelot



The Camelot Project
J. Warnock

This document describes the base technology and ideas behind the project named "Camelot." This project's goal is to solve a fundamental problem that confronts today's companies. The problem is concerned with our ability to communicate visual material between different computer applications and systems. The specific problem is that most programs print to a wide range of printers, but there is no universal way to communicate and view this printed information electronically. The popularity of FAX machines has given us a way to

Our vision … capture documents from any application, send electronic versions of these documents anywhere, and view and print these documents on any machine.

If this problem can be solved, then the fundamental way people work will change.

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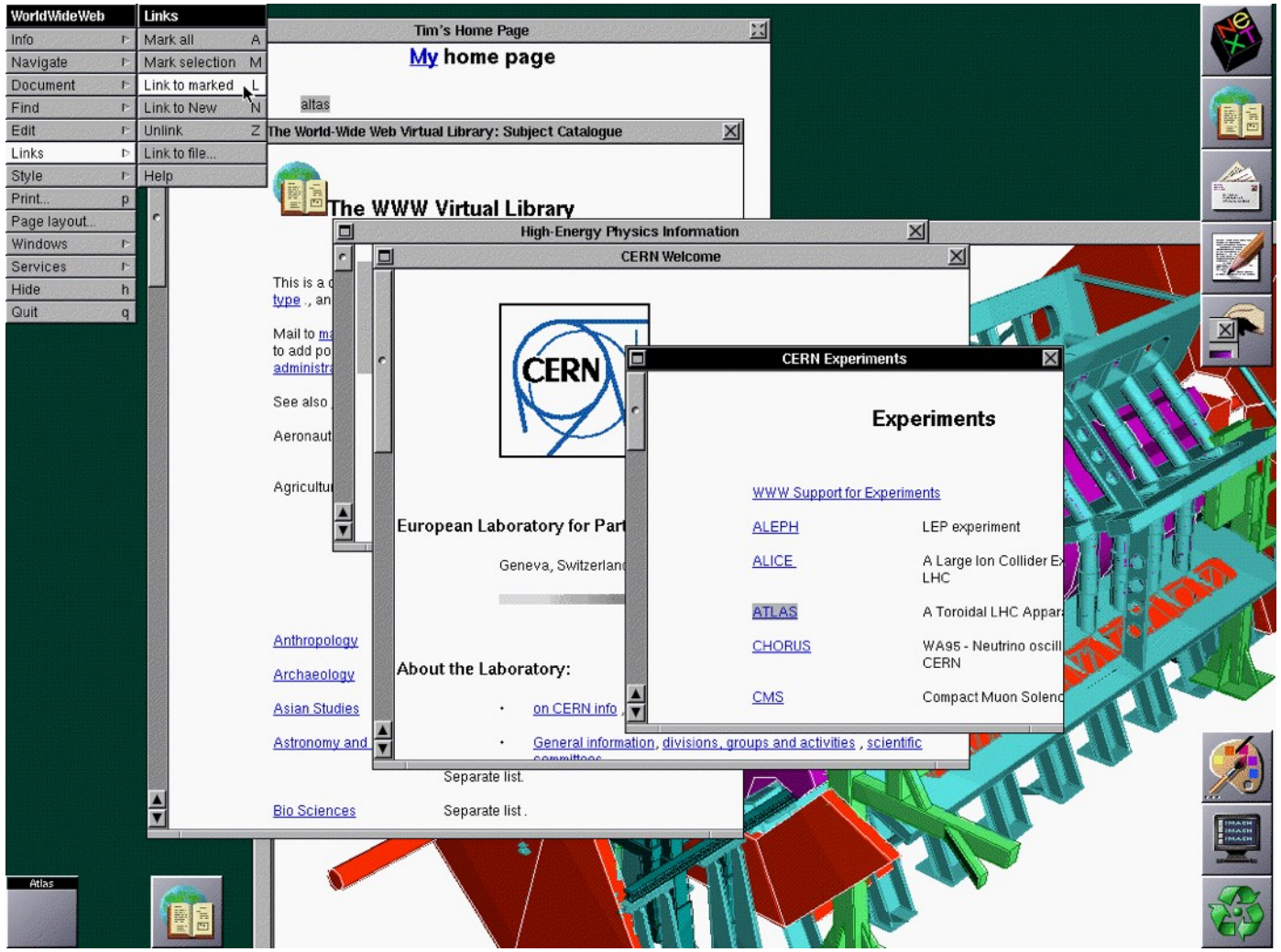
December 1990 – World Wide Web



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January 1991 – Editable PostScript

Illustrator 3 Is Next Step In Interchange Experiment

BY KRISTI COALE

Adobe Systems, fresh from a year that saw its Type 1 font technology adopted across a variety of platforms, now wants Postscript to bridge the gaps between myriad document formats across operating systems.

After first talking about Adobe Illustrator 3 (AI 3) last October, Adobe chairman and CEO John Warnock indicated that this interchange format proposal is tied to future versions of Illustrator. "AI 3 is the next step in an experiment to come up with a format that allows editing of text and graphics," Warnock said.

AI 3, or editable Postscript, is an interchange proposal that governs a document's content, so users can edit text and graphics. Other proposals, such as the recently derived Page Interchange Language, places emphasis on page geometry. Under such a system, a document's layout is preserved across operating systems, although the contents are not editable.

AI 3's advantage is that Postscript overrides the operating system's graphics model. On the Macintosh, for example, Illustrator invokes Postscript on top of the native Quickdraw model. A future version of Illustrator for Windows will not use Microsoft Corp.'s native GDI graphics model, but will "obey all the rules" for Windows compatibility, Warnock said. Because in both cases Postscript becomes the prevailing graphics engine, exchanging documents across platforms is transparent to the user, he said.

Although this is Adobe's vision for interchange, other vendors may have some reservations. Microsoft had chided Aldus for closing its Type 1 font format. But Adobe offers AI 3 as a published standard. "Revenues are not tied to the adoption of standards," Warnock said.

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1991 – Interchange PostScript requirements

- PostScript imaging model ++
- Declarative, not interpreted
- Self-contained (single file)
- Solve the font problem
- Multi-page
- Fast viewing on current computers
- Secure
- Device, platform, OS, application, and resolution independent
- Compact
- Create from any application
- Searchable
- Editable
- Publicly documented
- Any third party can generate without patent encumbrances
- Human readable
- Multimedia
- Interactive
- Maintain structure and semantic information
- Build on Adobe Illustrator 3 file format
- …

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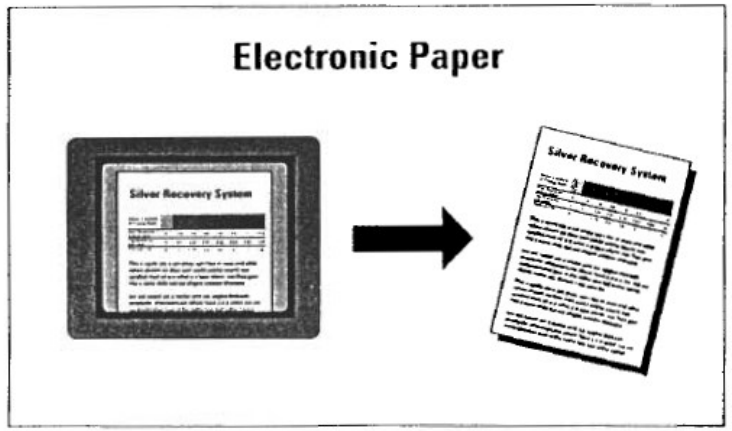
December 1991

- Focus on view and print
- No more “Editable PostScript,” “Interchange PostScript”
- Real team, real schedule



The goal of Adobe's Electronic Paper is to enable users to view documents on any device containing a PostScript reader and to print them on any raster output device.

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April 1992 – What file format?

- V1: Bitmaps, multi-page Illustrator: Summer 1990–April 1991
- V2: Document Management System: April 1991–April 1992
- V3: PDF/Cos: April 1992–

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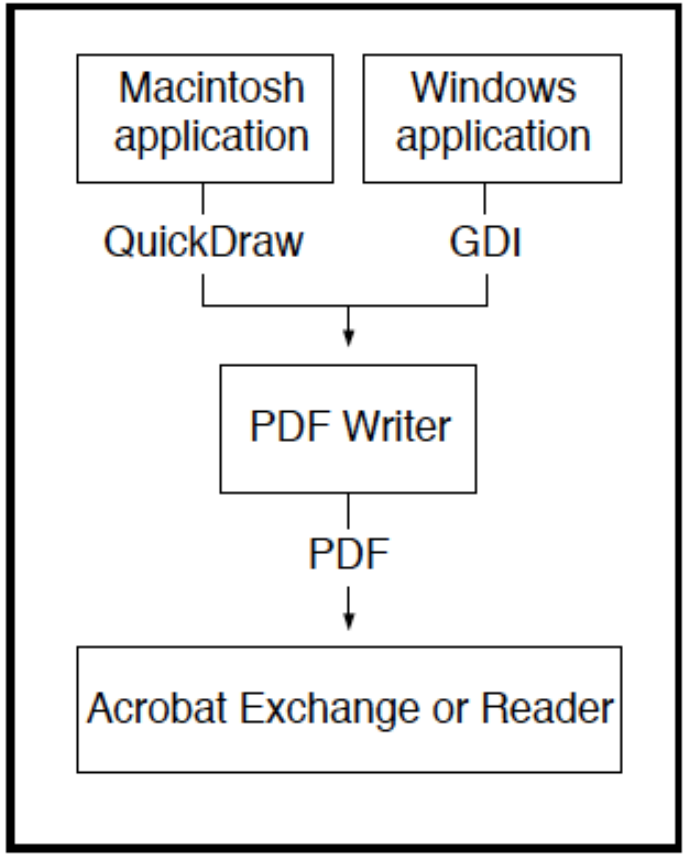
PDF 1.0 Features

- PostScript imaging model
- Declarative language
- Portability
- Random access
- One-pass creation
- Incremental update



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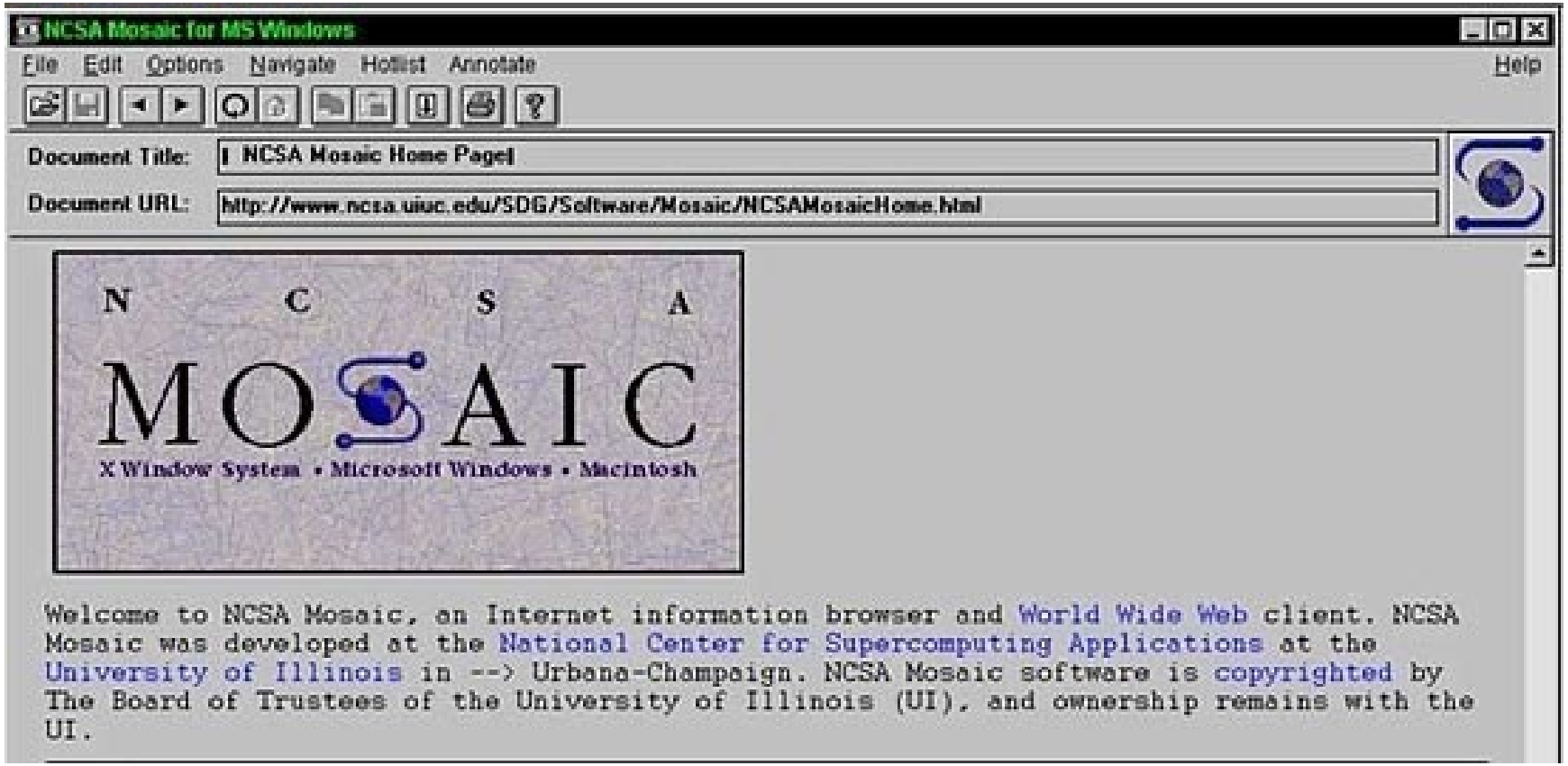
April 22, 1993 – NCSA Mosaic



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June 1, 1993 – PDF 1.0

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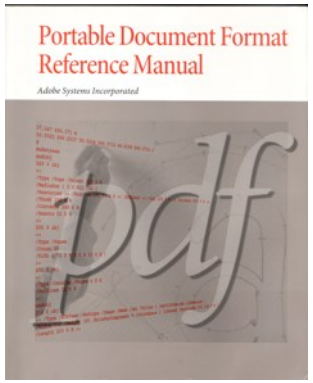
The Portable Document Format Reference Manual

by Adobe Press, Adobe Systems Incorporated, Richard Cohn ☆☆☆☆☆ Be the first to write a review



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Publisher:	Addison Wesley Professional
Publication date:	06/01/1993
Pages:	240
Product dimensions:	7.37(w) x 9.10(h) x 0.48(d)

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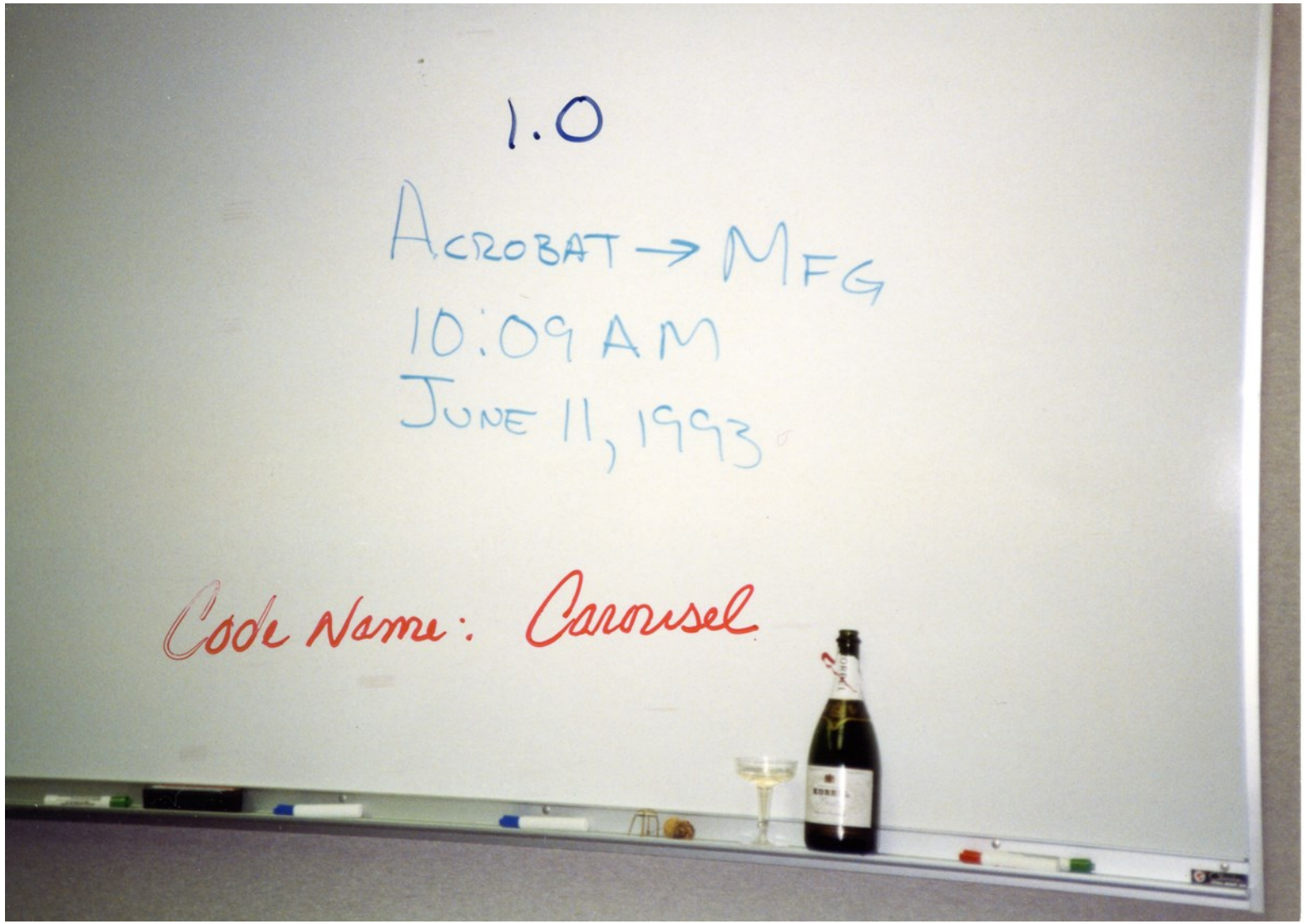
June 11, 1993 – Acrobat 1.0



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June 1993 – Front Page News

San Jose Mercury News

NG EDITION — Serving Northern California Since 1851 — THURSDAY JUNE 10, 1993

New clues to surviving HIV

■ Genetic factors appear to keep a few who have the AIDS virus from becoming ill.

BY DONNA ALVARADO
Mercury News Staff Writer

Scientists say they may have cracked the mystery of how some HIV-infected men have defied death: They have certain genetic factors that have enabled their immune systems to keep AIDS at bay.

The finding could have important implications for devising an AIDS treatment or vaccine.

By most expectations, the 42 San Francisco men in a long-running study reported Wednesday should be dead by now, but instead, they have lived with the AIDS virus for 10 years or more. And they are astonishingly healthy, showing not a trace of the deadly illnesses that usually afflict and kill people within a decade of HIV infection.

"Some of them have been rock stable for almost 15 years," said Dr. Susan Buchbinder, a researcher at the San Francisco Department of Public Health. She presented results of a long-term study of the men Wednesday to scientists meeting in Berlin at the Ninth International Conference on AIDS.

See SURVIVORS, Page 6A

INSIDE

■ Stephen Pfander wonders why he lives when so many others with HIV die.

PROFILE, PAGE 6A

In 1978, when 3-year-old Azure Blue Rodriguez got a kidney transplant, her chances of living were decidedly against her. **Today,** after years of struggle, Azure Blue is happy, healthy and graduating from high school.

KAREN T. BORCHERS — MERCURY NEWS

She's come a long way from kidney transplant to high school diploma

BY ED POPE
Mercury News Staff Writer

There was a time when they feared Azure Blue Rodriguez would not live to see her fourth birthday.

Kidneys failing, only 19 pounds on her tiny, wasted frame, Azure was given a death warrant by her doctors unless someone came forward with a compatible kidney.

The Mercury News made her a kind of carrying her parents'

Azure Blue Rodriguez, 17, will receive her diploma today from Westmont High School.

Getting off the paper trail

Adobe's new software will let computers swap pictures, graphs

BY MIKE LANGBERG
Mercury News Staff Writer

Adobe Systems Inc. says it is ready to achieve one of the most elusive goals of the Information Age: massively reducing the need to print documents on paper.

At a news conference Tuesday in New York, the Mountain View company will unveil a software package called Adobe Acrobat that allows different types of computers to easily share electronic files containing pictures, charts and fancy layouts — not just the bare strings of text now routinely shipped between computers.

John E. Warnock, Adobe's chairman, described Acrobat on Wednesday as nothing less than a way for companies to virtually eliminate fax machines, copiers and Federal Express — today's vehicles for moving documents from one computer user to another.

Adobe's John Warnock says faxing could become obsolete.

In the world of Acrobat, everything from phone books to magazines could be stored inside computers and called onto a computer screen only when needed, with

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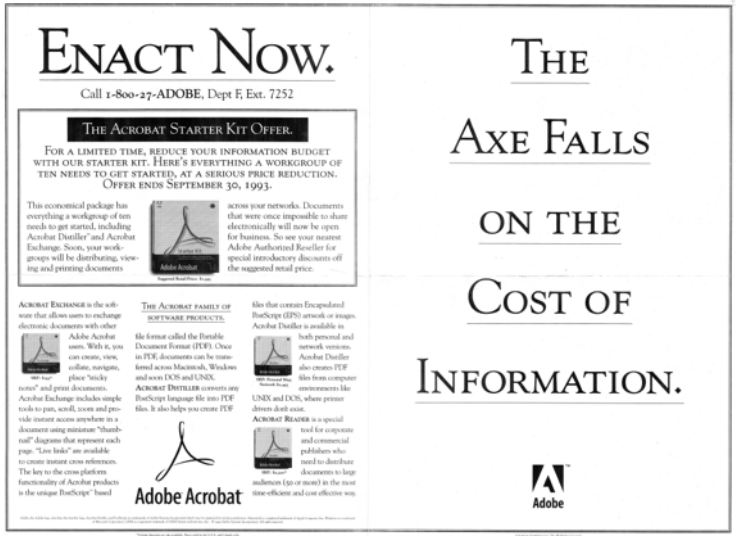
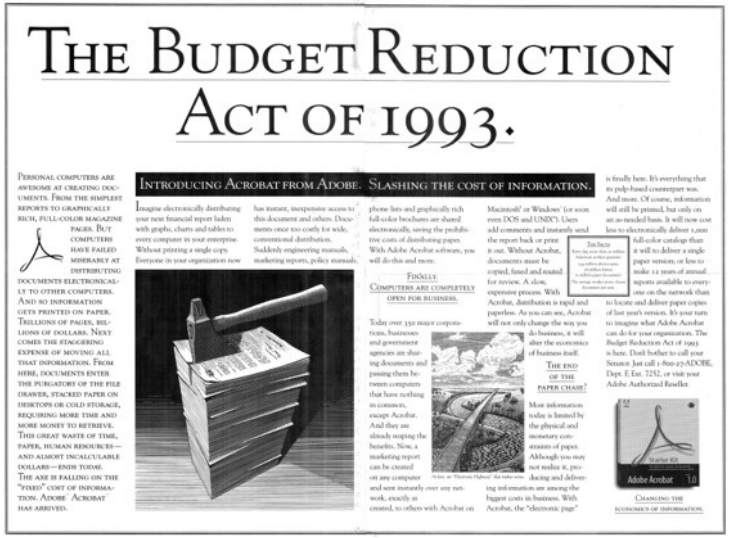
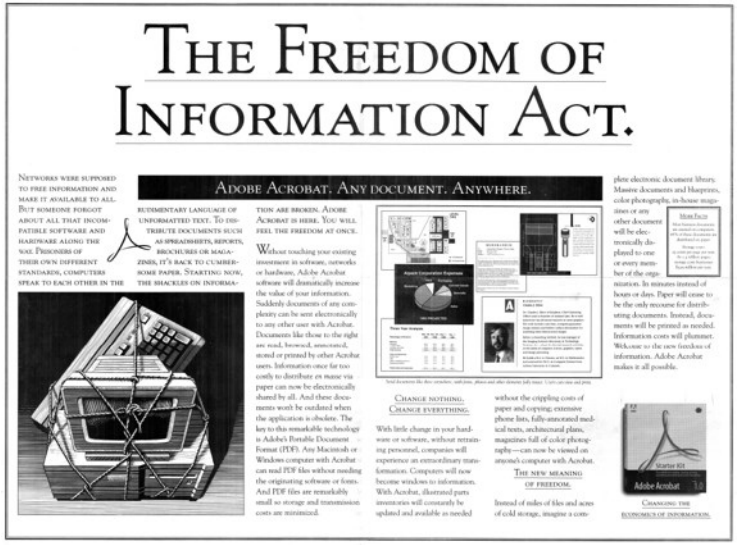
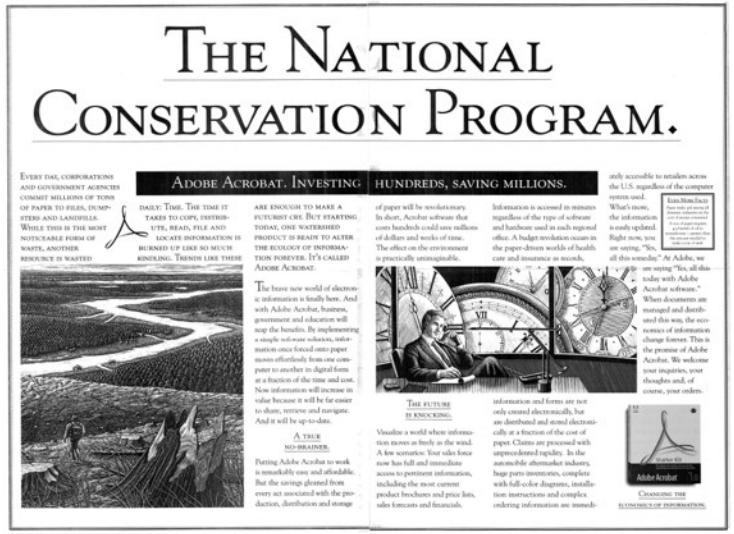
June 1993 – Wall Street Journal









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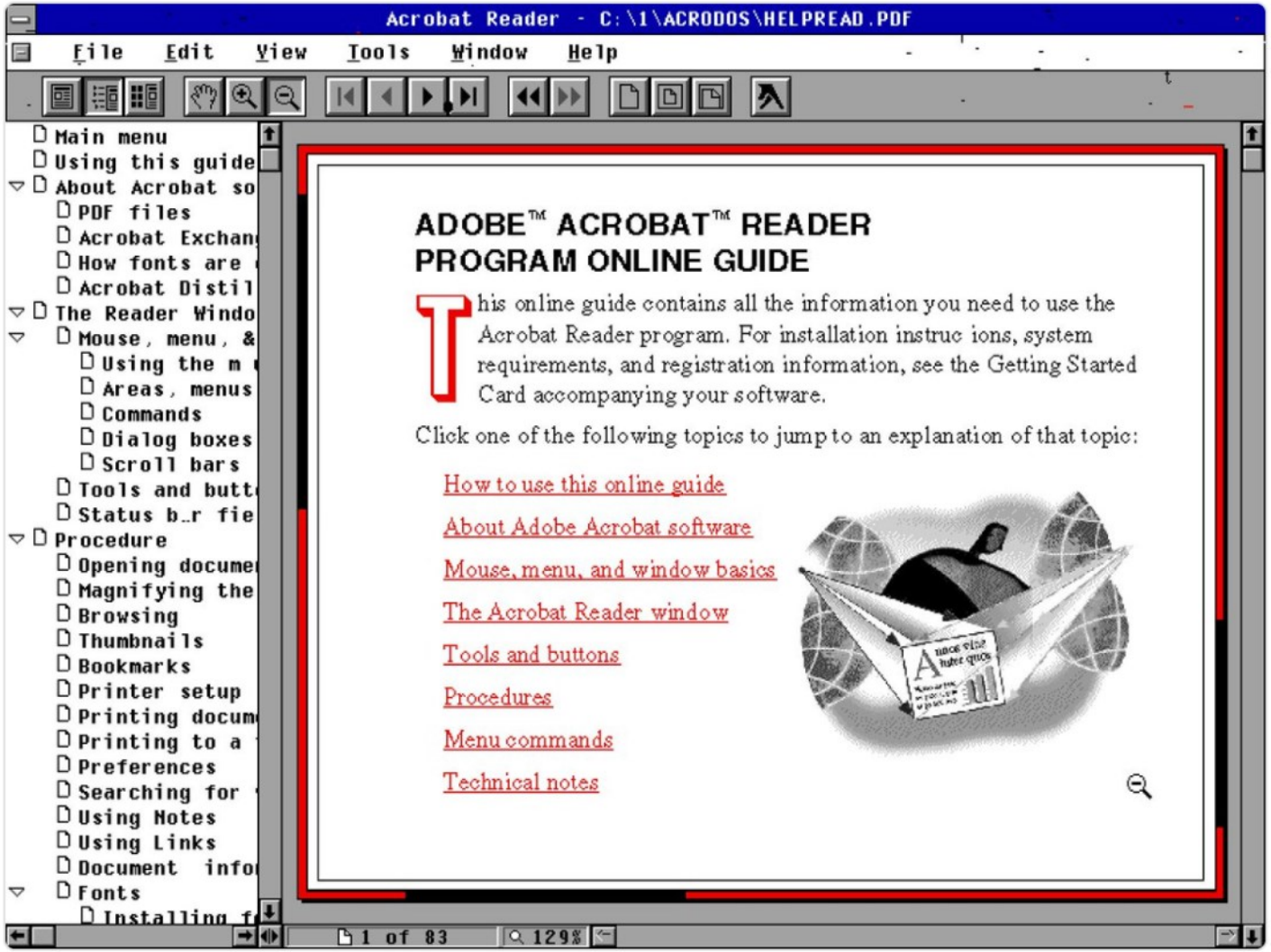
January 1994 – DOS Reader

- Adobe's only DOS application
- Minimum memory: 1 Mb



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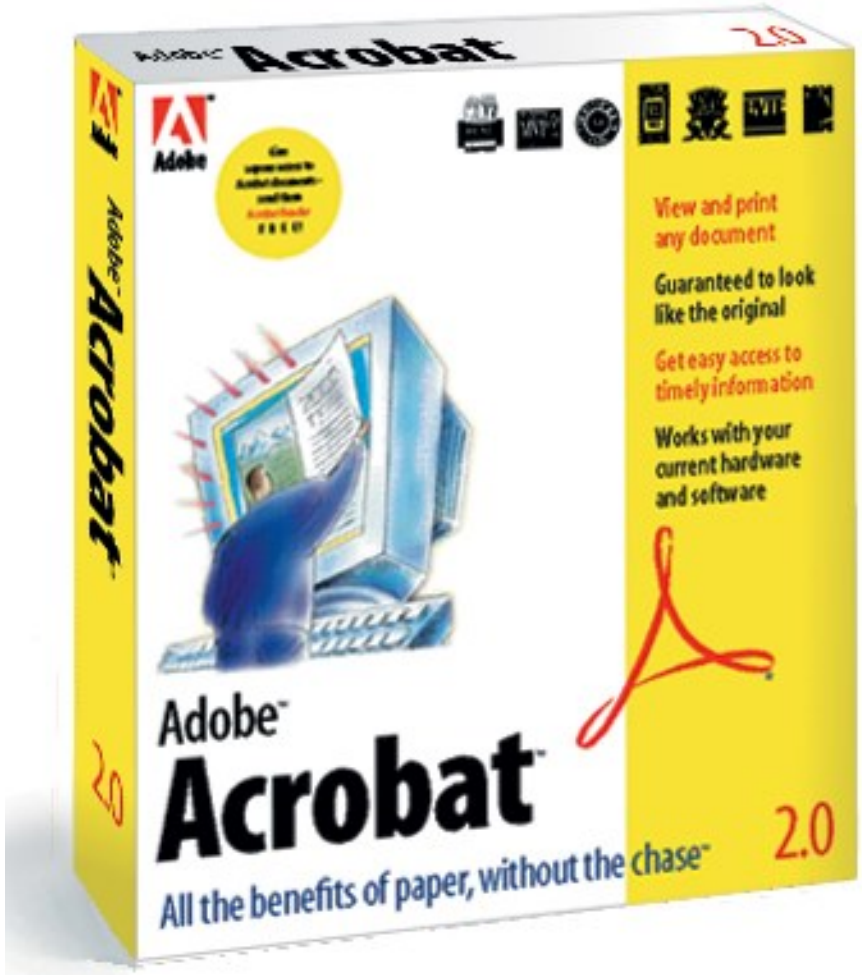
November 1994 – PDF 1.1, Acrobat 2.0

- 7 Unixes, OS/2
- Weblinks (Acrobat 2.1)
- Free Reader



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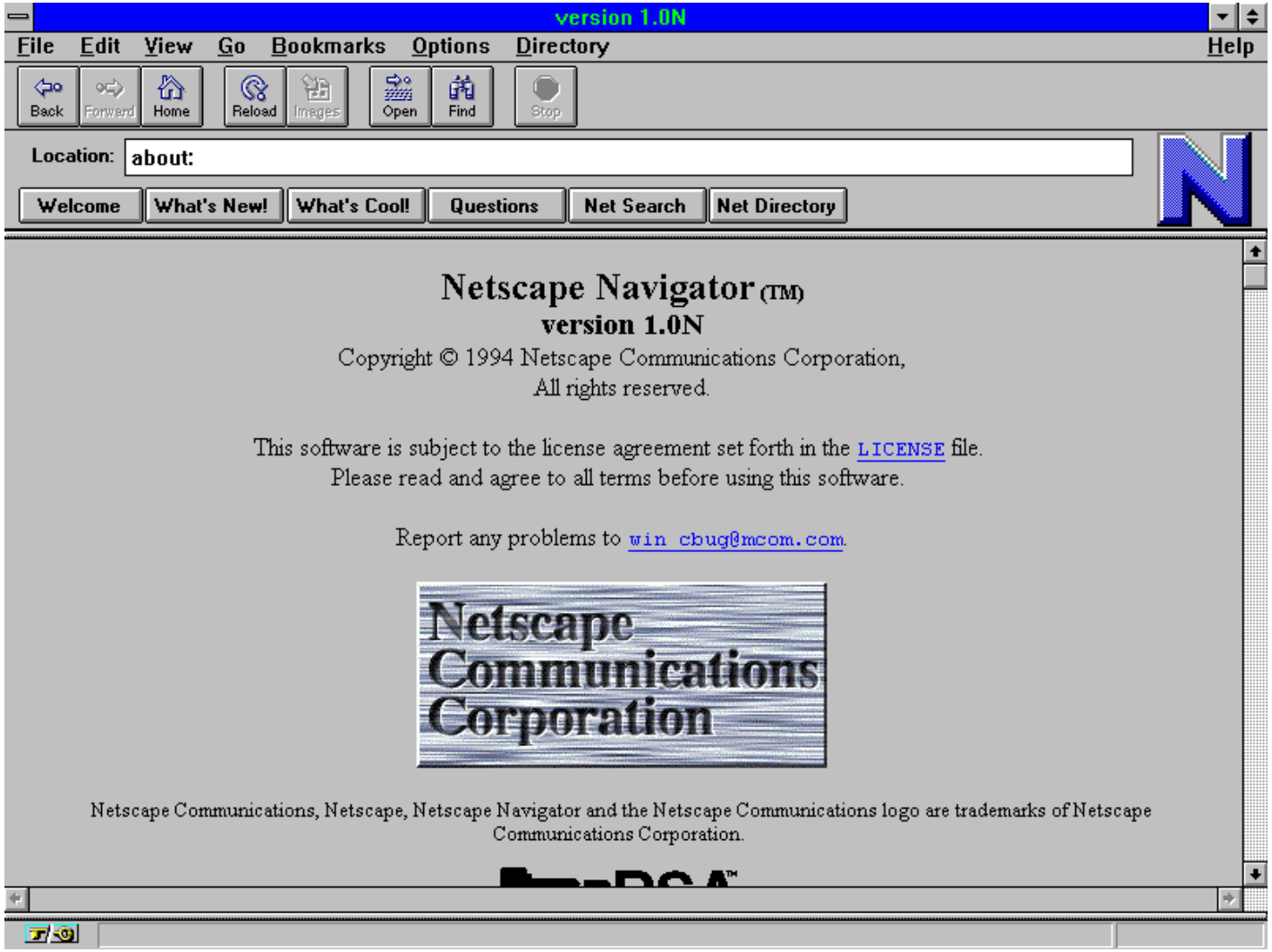
December 1994 – Netscape Navigator 1.0



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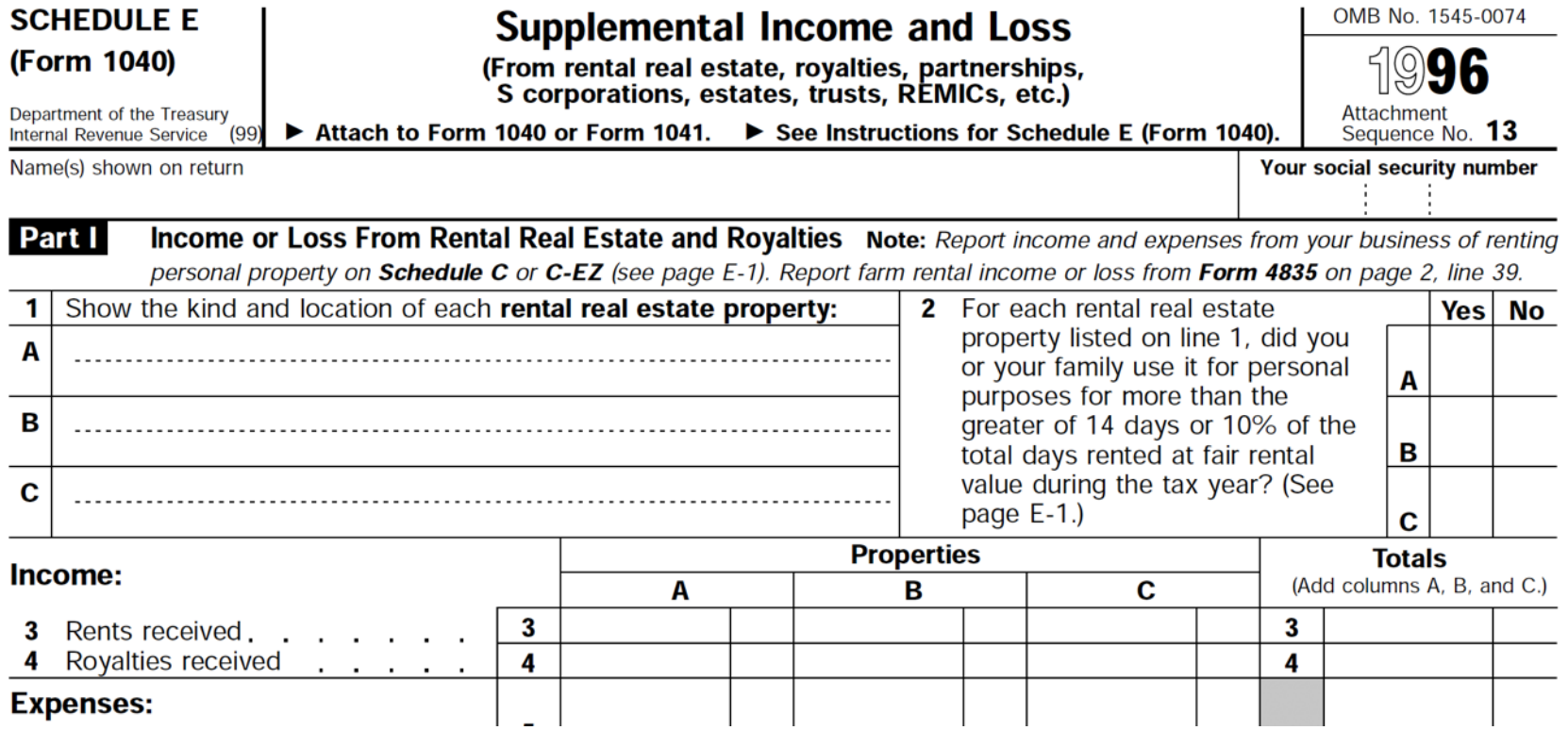
1996 – US Internal Revenue Service

IRS web site:

- PDF
- PS
- PCL
- SGML



SCHEDULE E (Form 1040)

Department of the Treasury
Internal Revenue Service (99)

Supplemental Income and Loss
(From rental real estate, royalties, partnerships, S corporations, estates, trusts, REMICs, etc.)

▶ **Attach to Form 1040 or Form 1041.** ▶ **See Instructions for Schedule E (Form 1040).**

OMB No. 1545-0074

1996

Attachment Sequence No. **13**

Name(s) shown on return

Your social security number

Part I **Income or Loss From Rental Real Estate and Royalties** **Note:** *Report income and expenses from your business of renting personal property on* ***Schedule C*** *or* ***C-EZ*** *(see page E-1). Report farm rental income or loss from* ***Form 4835*** *on page 2, line 39.*

			Yes	No
1	Show the kind and location of each **rental real estate property:**	2 For each rental real estate property listed on line 1, did you or your family use it for personal purposes for more than the greater of 14 days or 10% of the total days rented at fair rental value during the tax year? (See page E-1.)		
A		A		
B		B		
C		C		

Income:		**Properties** A	B	C	**Totals** (Add columns A, B, and C.)
3 Rents received	3				3
4 Royalties received	4				4
Expenses:					

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November 1996 – PDF 1.2, Acrobat 3.0

- Byte serving (HTTP 1.1)
- Netscape plug-in
- Forms
- Prepress features
- Japanese fonts (3.5)
- Zlib/Flate – incompatible!

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1999 - 2018

Year	Release	Features
1999	PDF 1.3	Prepress, logical structure, annotations, JavaScript, digital signatures
2001	PDF/X	Prepress digital data exchange
2001	PDF 1.4	Transparency, tagged PDF, XMP
2003	PDF 1.5	Object streams, layers, XFA
2005	PDF/A	Archival
2005	PDF 1.6	OpenType, embedded files, 3D
2006	PDF 1.7	Portable collections
2008	ISO 32000-1:2008	Standardization of PDF 1.7
2008	PDF/E	Engineering
2009	Adobe Ext Level 3	Portfolios (Flash/SWF)
2010	PDF/VT	Variable data and transaction printing
2012	PDF/UA	Universal accessibility
2017	PDF/Raster	Scans
2017	ISO 32000-2:2017	PDF 2.0

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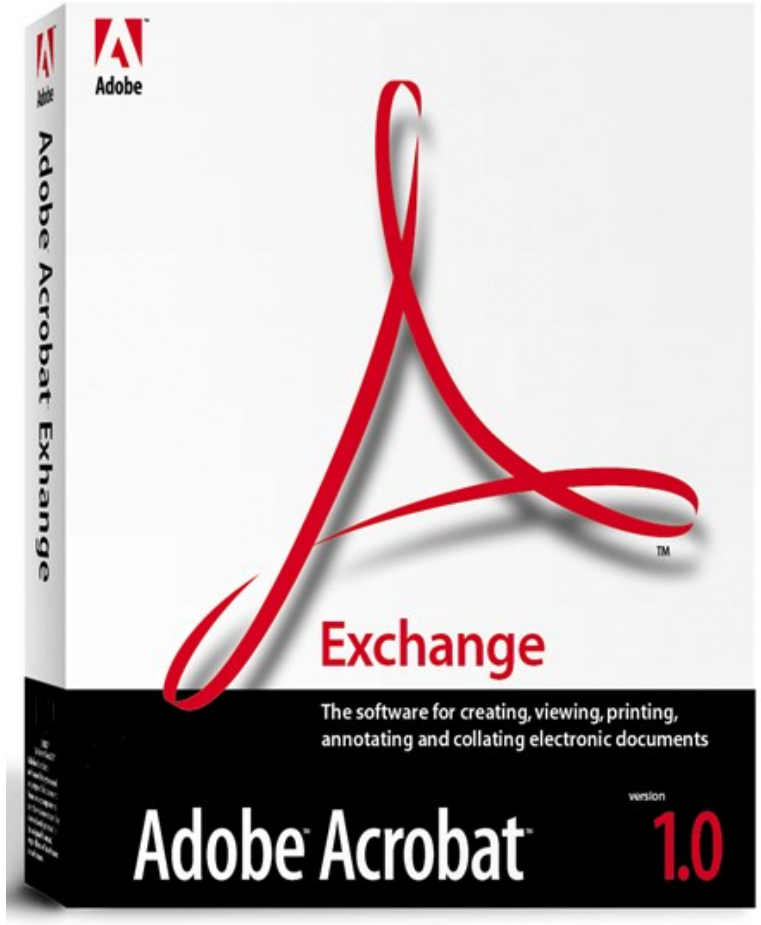
PDF's Original Success

- Technical:
  - Features/quality
  - Performance
  - Any app, many platforms
  - Distribution via the Web
- Non-technical:
  - Public specification
  - Free Reader
  - Adobe brand
  - John Warnock



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PDF's Success Today

- Shift to electronic documents
- Continued need for a reliable format for exchange and archiving
- ISO standards
- Community

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PDF’s Challenges for the Future

Stay tuned tomorrow …

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PDF Format: 25 years

ISO Standard: 10 years

PDF 2.0