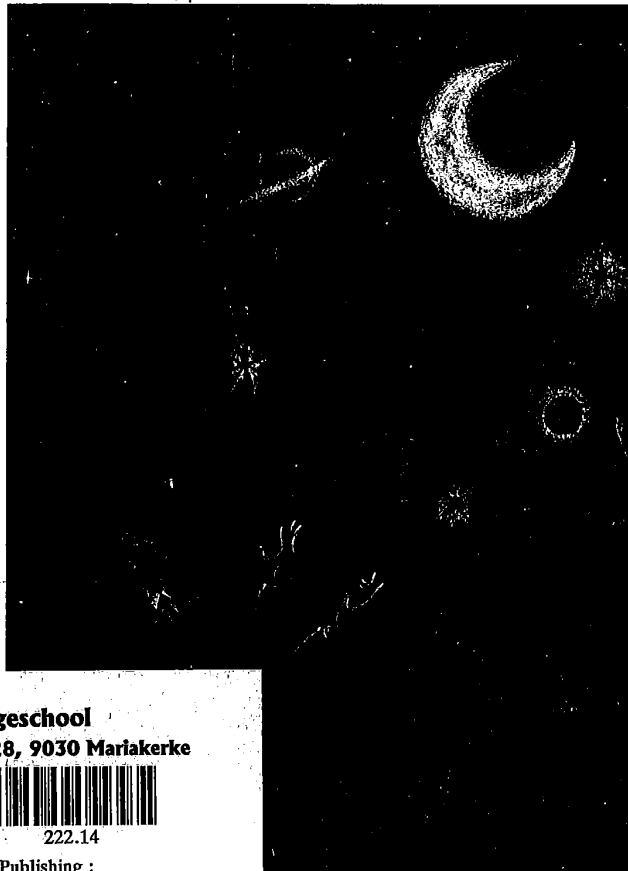


PDF Printing and Publishing



Arteveldehogeschool
Industrieweg 228, 9030 Mariakerke



98/169.8 222.14

PDF Printing and Publishing :

Lucy Elliott, "The Juggler"

PDF Printing and Publishing : the next

THE NEXT REVOLUTION AFTER GUTENBERG

The definitive guide to Adobe Acrobat 3.0

- Mattias Andersson • William Eisley • Amie Howard •
- Frank Romano • Mark Witkowski •

**Micro
Publishing
Press**

AGFA 

PDF Printing and Publishing

The next revolution after Gutenberg

Mattias Andersson
William Eisley
Amie Howard
Frank Romano
Mark Witkowski

Rochester Institute of Technology

Foreword by John Warnock, Chairman, Adobe System
Afterword by Michael Jahn



EGON
HOGESCHOOL

EGON MEDIATHEEK
INDUSTRIEWEG 228
9030 MARIAKERKE
09 / 216 36 11

EGON Hogeschool

Industrieweg 228, 9030 Mariakerke



98/169 222.14

PDF Printing and Publishing :

A Publication of
Agfa Division, Bayer Corp.

Bookstore distribution by
Micro Publishing Press
Torrance, CA

PDF Printing and Publishing

The next revolution after Gutenberg

Mattias Andersson
William Easley
Amie Howard
Frank Romano
Mark Witkowski

Micro Publishing Press
2340 Plaza Del Amo, Suite 100
Torrance, CA 90501
(310) 212-5802

Copyright 1997
All rights reserved.
Reproduction in any form without specific written approval of
Micro Publishing Press is forbidden.

First Printing: March, 1997

Printed in the United States of America

ISBN 0-941845-22-2

ii

To retain some semblance of readability we omitted trademark information for all products mentioned. Here is the list:

Adobe, the Adobe logo, Acrobat, the Acrobat logo, Acrobat Catalog, Acrobat Capture, Acrobat Exchange, Acrobat Distiller, Acrobat Reader, Acrobat Search, Adobe Accurate Screens, Adobe Type Manager, Adobe Type Set, Adobe Illustrator, Aldus, ATM, the ATM logo, Display PostScript, PageMill, the PageMill logo, Photoshop, the Photoshop logo, PrintMill, Pixelburst, PageMaker, PostScript, and the PostScript logo are registered trademarks of Adobe Systems Incorporated.

Agfa, the Agfa rhombus, Agfa Balanced Screening, Agfa, Mainstream, AgfaType, AccuSet, Alliance, Alto, Arcus, Avantara, ChromaPost, Chromapress, ChromaWatch, ChromaWrite, Cobra, CristalRaster, DuoProof, FotoLook, FotoTune, Horizon, IntelliTrack, LUTGen, MultiStar, OptiSpot, PhotoWise, ProSlide, Python, QuickLink, SelectScan, SelectSet, Setprint, Star, Taipan and Viper are trademarks of Bayer Corporation or its affiliates, which may be registered in certain jurisdictions.

AppleTalk, EtherTalk, ColorSync, ImageWriter, LaserWriter, Mac, Macintosh, Macintosh Quadra and QuickTime are trademarks of Apple Computer, Inc. registered in the U.S. and other countries and AppleScript, Power Macintosh, PowerBook, QuickDraw, System 6, System 7 and TrueType are trademarks of Apple Computer, Inc.

Ethernet is a registered trademark of Xerox Corp.

Freehand is a trademark of Macromedia Corp.

HP, LaserJet and PCL are registered trademarks of Hewlett-Packard Company.

IBM and OS/2 are registered trademarks of International Business Machines Corporation.

Kodak is a registered trademark of Eastman Kodak Company.

Linotype, Hell, Optima, Helvetica, Palatino, Times, and Univers are registered trademarks and HQS Screening, LinoPress, LinoServer, Linotype Library, RT Screening, are trademarks of Linotype-Hell AG and/or its subsidiaries.

Microsoft and MS-DOS are registered trademarks and Windows, Windows 95 and Windows NT are trademarks of Microsoft Corporation.

Novell and NetWare are registered trademarks of Novell, Inc.

OpenWindows, Sun, SunOS, are trademarks of Sun Microsystems, Inc.

Post-It is a registered trademark of 3M.

Scitex is a registered trademark of Scitex Corp.

Solaris is a registered trademark of Sun Microsystems, Inc.

SPARCstation is a registered trademark of SPARC International, Inc., licensed exclusively to Sun Microsystems, Inc and is based upon an architecture developed by Sun Microsystems, Inc.

UNIX is a registered trademark in the U.S. and other countries, licensed exclusively through X/Open Company, Ltd.

QuarkXPress and QuarkXTension are registered trademarks of Quark, Inc.

All other company and brand and product names are trademarks, registered trademarks or service marks of their respective holders. And if we inadvertently missed anyone, any word with a capital letter is probably a trademark of somebody's.

ACKNOWLEDGMENTS

General

John Warnock, Dianne Eckloff, Eric Bean and Jennifer Polanski at Adobe Systems, Inc.

Peter Broderick, John Harrison, Paul Verwilt and Rick Littrell at Agfa.

The gifted Peter Miller who designed the cover and some of the illustrations.

Maureen Richards and everyone at United Lithograph.

The irrepressible Michael Jahn of 4Sight.

Larry Warter of Fuji Photo Film who contributed material and input on standards.

Mohan Kumar Dhandapani for being Mohan Kumar Dhandapani.

Daniel Wallin, ColorCraft AB.

Professor Frank Cost for his unique insights and great conversation.

RIT Campus Safety for checking on us during those 2am sessions.

Jim Cavuoto and Richard Romano at Micro Publishing Press.

The gang in the RIT Electronic Prepress and Publishing Laboratory, especially Chris Hahn and Peter Muir and all their "labbies."

Hal Gaffin and Bill Birkett of the RIT School of Printing for their support.

The people who hooked up our RIT ID and debit cards to the coffee and junk food machines.

GTS Graphics in City of Commerce, CA, who output the film for this book on an Agfa Avantra 44 imagesetter.

Personal

I would like to thank Amie, Bill, and Mark for their patience with switching the keyboard setting back to US after I had left it on Swedish, and teaching me when to use *have* and *has*. Without the lectures from Frank Cost I would not have gotten the sparkling thought of how PDF can be used as the future of electronic publishing.
— *Mattias Andersson*

Summing up three months of intense labor into three sentences is tough, but here goes . . . Thanks to: my mother for believing in me and giving me the chance, Phil & Jim for my sanity, and finally Frank Romano for the opportunity to work with Amie, Mark & Mattias. Working with such a diverse group of talent was a great learning experience.
— *William Easley*

First, to Frank Romano for the opportunity. To Michael for getting us started, seeing us through, and finishing it off. To the Gang of Four, for being such good guys. And to my family . . . To Mindy, for your spirit and enthusiasm which have always been and inspiration. To Mom and Dad, my role models, my best friends, my heroes, . . . for all you are and all you do.
— *Amie Howard*

I would like to thank my parents, family and friends who's love and support have given me the values and drive to make me who I am today. To the other members of The Gang of Four, thanks for making this project so great. And to Frank Romano . . . thanks a million!
— *Mark Witkowski*

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.