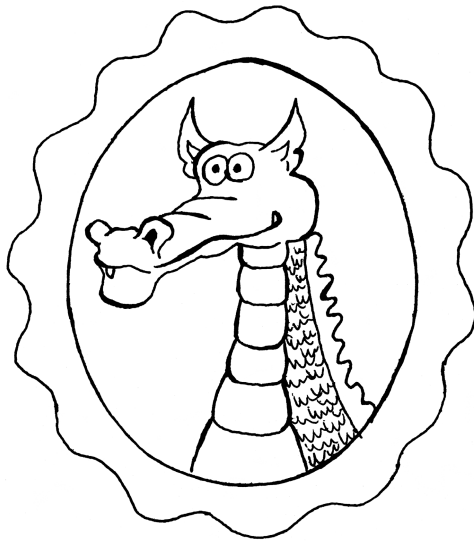


GBBS Pro

BULLETIN BOARD SYSTEM

Version 2.2



Produced by:
Brian Wiser & Bill Martens



Apple PugetSound Program Library Exchange

GBBS Pro Bulletin Board System: Version 2.2

Copyright © 2017 by Apple Pugetsound Program Library Exchange. All Rights Reserved.
Published by Apple Pugetsound Program Library Exchange: www.callapple.org

First printing, July 2017. Second printing, June 2019.

Paperback ISBN: 978-1-387-00167-5

Hardback ISBN: 978-1-387-00169-9

ACKNOWLEDGEMENTS

GBBS manuals published 1980-1990 and *GBBS Pro*, *ACOS*, *ExFer*, and *SuperTAC* software
Copyright © 2017 by Kevin M. Smallwood under the GPL v3 License:
www.gnu.org/licenses/gpl-3.0.en.html

This new and expanded *GBBS Pro Bulletin Board System: Version 2.2* book is a copyrighted production of Apple Pugetsound Program Library Exchange (A.P.P.L.E.) and has been produced with permission of and in coordination with Kevin M. Smallwood.

GBBS Pro software and resources are on the official site: <https://gbbs.applearchives.com>.
No warranty of these items is made or implied and should be used at your own risk.

Special thanks to Lane Roathe for the enormous task of creating and updating the *GBBS Pro* 2.2 software. Additional thanks to Ervin "Skip" Thompson, Gene Buckle, Henry Pedro, Kevin M. Smallwood, Andrew Wells, and Steve Funk for their contributions.

The "Dragon Chatting With a User" art on the cover was originally created by Todd Helmenstine and Dick Sloan, and colorized by Brian Wiser.

The Cover and Book were designed by Brian Wiser.

PRODUCTION

Brian Wiser → Design, Layout, Editing, Proofreading

Bill Martens → Editing, Proofreading, Project Lead

DISCLAIMER

No part of this book may be reproduced, distributed or transmitted in any form or by any means, including photocopying, scanning, or other electronic or mechanical methods, without prior written permission of the publisher, except in the case of brief quotations contained in articles and reviews, and program listings which may be entered, stored and executed in a computer system, but not reproduced for publication.

GBBS Pro Bulletin Board System: Version 2.2 is an independent publication produced in coordination with Kevin M. Smallwood, and has not been authorized, sponsored, or otherwise approved by any institution, public or private. All images are under copyright and the property of Apple Pugetsound Program Library Exchange, Kevin M. Smallwood, or as otherwise indicated. Use is prohibited without prior permission.

Apple and all Apple hardware and software brand names are trademarks of Apple Inc., registered in the United States and other countries. All other brand names and trademarks are the property of their respective owners.

While all possible steps have been taken to ensure that the information included within is accurate, the publisher, producers, authors, and Kevin M. Smallwood shall have no liability or responsibility for any errors or omissions, or for damages resulting from the use of the information and programs contained herein. There are no warranties made or implied.

CONTENTS

Introduction: Brian Wiser	xi
Foreword: <i>Kevin M. Smallwood</i>	xv
Foreword: <i>Andrew Wells</i>	xvii
Foreword: <i>Gene Buckle</i>	xx
Foreword: <i>Ervin "Skip" Thompson</i>	xxiii
Foreword: <i>Bill Martens</i>	xv

1. Overview, Support, Features

A Little About <i>GBBS Pro</i>	1
Dear <i>GBBS Pro</i> User.....	1
Terms of Usage / Disclaimer.....	2
<i>GBBS Pro</i> Web Site: Software Updates and Mailing List	2
Technical Support.....	2
Modifications to <i>GBBS</i>	3
System Requirements	3
<i>GBBS</i> History	4
What's New in Version 2.2.....	6

2. Installation, Configuration

Configuring the System	7
Initial System Configuration	8
Basic Questions.....	8
Video and Modem	10
Printer and Clock.....	12
Mass Storage Device.....	13
Starting <i>GBBS Pro</i>	14
Making a Bootable Volume	15
Internet Setup Guide.....	16

3. Running the System, Commands

- Running the Software 23
- Logging on the System24
- Running Your System 26

- Idletime Commands 27
- Runtime Commands28
- System Commands30
- Bulletin Commands.....35
- Bulletin Bar Commands37
- Editor Commands38
- Text Dot Commands.....38
- Editor Control Commands.....40
- Edit Commands 41
- Sysop Commands..... 42

4. Utility Program Reference

- Using the Configuration Program 47
- Changing Hardware 48
- Changing Drive Setup 49
- Editing the Profanity Filter..... 50
- Manipulating Bulletin Boards 50
- Print a List of Users 53
- Purging Old Users..... 54
- Using ACOS Utilities 55

5. ACOS Reference

General Information	57
Writing a Program	57
Program Structure	62
Special Characters	63
Reserved Words	64
Variables	66
Arithmetic Operators	68
Relational Operators	70
Logical Operators.....	71
Print Statements	72
Input Statements.....	73
Disk Access.....	73
Disk Files.....	74
ACOS Compiler Specs	76
Command List.....	77
Device Specifiers	111
Default Drive Specifiers.....	111
Error Messages.....	113
Recovering From a System Crash.....	117
ACOS Memory Map	118

6. Modifying the System

- Modifying *GBBS Pro*119
- Board Modifications120
- Referencing a Bulletin Board via a Command120
- Adding Another Download Section121
- Adding Feedback to a User122
- Adding Another Command Section123
- Adding Another General Files Section124
- Running the System Turnkey125
- Main Routines126
- Variable Listing128
- Disk File Info134
- Assembly Language Info.....136
- External Modules137
- Zero Page Locations138
- Handy Sub-Routines139
- Device Addresses142

7. Shell Listing

- Logon Segment145
- Main Segment.....151
- Message Segment160
- System Segment.....173
- Bulletin Copy Utility.....178
- Message File Converter182
- New Message Fix183
- User Converter185

8. Appendices

ASCII Character Chart	187
Modem / RS-232 Selection and Hookup	189
RS-232 and Modem Compatibility	189
Generic Multiple Speed Modem	191
Generic No Carrier Modem	191
RS-232 Cable Charts.....	192
Other Modems	194
A Note to Apple IIc Owners	194
VT-100 Control Sequences.....	195
Building <i>GBBS Pro</i> From Source Code.....	201
Glossary.....	209

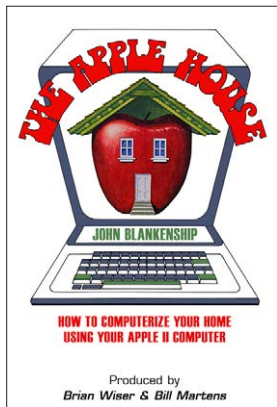
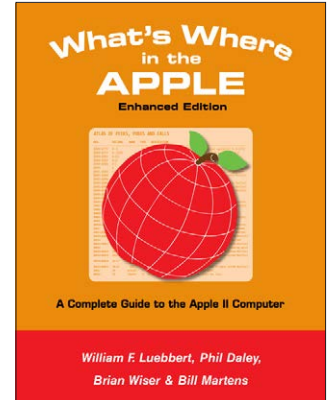
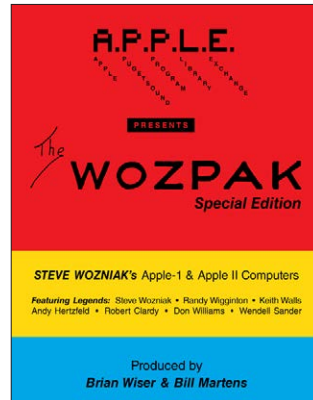
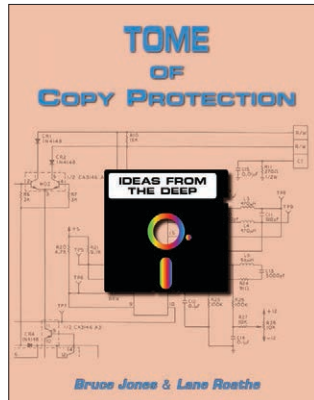
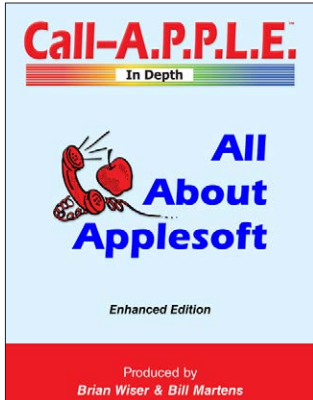


Call-A.P.P.L.E.™

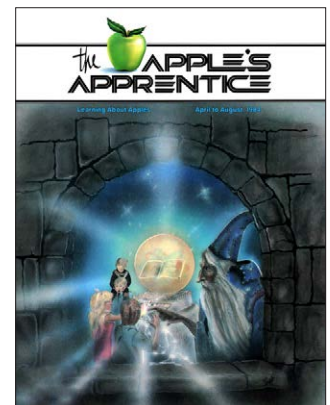
World's Largest Apple User Group – Since 1978

Available in Paperback and Hardback: callapple.org/books

Join Our User Group & Get Our New Magazine: callapple.org/members



v--- Magazines, Fun, History ---v



^--- Programming ---^

