INTRODUCING

The Apple® Communications Library

A suite of books dedicated to networking and communications

The Apple® Communications Library

Books for network users, administrators, and developers

The current revolution in computer networking is driven by the need to share information, applications, and equipment. And in today's competitive multivendor computer environment, that need increases proportionally with the rapid advances in computing technology.

The Apple Communications Library, a series of books written by Apple® Computer, Inc., offers complete and authoritative information on today's networking environments. The library ranges from books at an introductory level for anyone using networked systems to detailed technical specifications for programmers and developers.

The Apple Communications Library is divided into three distinct series, each of which addresses a different audience and level of expertise:

The Apple Communications Library Basics series educates network users and managers about fundamental networking concepts and technologies.

The Apple Communications Library Reference series provides overviews of various networking topics for network administrators, corporate managers involved in networking, users, and developers.

The Apple Communications Library Technical series provides professional programmers and developers with advanced-level, technical information for applications development.

Understanding Computer Networks

Foreword by Jean-Louis Gassée

Understanding Computer Networks introduces the reader to basic networking and communications concepts and technologies.

Written and illustrated by Apple Computer's Networking and Communications Publications department, *Understanding Computer Networks* provides dozens of easy-to-follow explanations and illustrations showing:

- what a network is
- the hardware and software used by networks
- network protocols
- services provided by networks
- telecommunications and wide area networks

Understanding Computer Networks is designed to be read and absorbed quickly in today's fast-paced business environment. If the word ''networking'' brings to mind a maze of unfamiliar terms and technologies, *Understanding Computer Networks* is the book for you.

Apple Communications Library Basics
0-201-19773-1 96 pages
$12.95 paperback *(tentative)*

Speaking of Networks

A Glossary for Network Users

The field of computer networking is clouded by a haze of jargon and confusing terminology that often impedes rather than enhances understanding of its essential concepts. *Speaking of Networks*, written by Apple Computer's Networking and Communications Publications department, is an alphabetical glossary that defines and clarifies these terms, promoting better understanding for network users, administrators, and programmers.

Speaking of Networks employs an expanded multi-level approach to definitions so that it can be useful to readers of varying expertise. Each term is defined on at least two of three levels: a beginning-level definition is always provided for readers who need a basic, user-friendly explanation; a middle-level definition appears for those readers already acquainted with networking concepts; and, as appropriate, an advanced-level definition is offered for the technical sophisticate.

As an added feature, key terms that represent global concepts have brief sidebars that provide background on the history of the term and the people and organizations involved in its development.

Speaking of Networks presents Apple's networking vocabulary, at a time when networking and data communications terms and acronyms pepper our language and workplace.

Apple Communications Library Reference
0-201-51761-2 225 pages
$14.95 paperback

AppleTalk® Network System Overview

AppleTalk® Network System Overview introduces developers, network administrators, and managers to the AppleTalk network system. It describes the functionality of different Apple networking products and explains how these products fit together in a computer network system. Because *AppleTalk Network System Overview* assumes no previous knowledge of Apple's networking product line, anyone with an interest in Apple's approach to networking can use the book.

Topics covered include:

- components of an AppleTalk network system
- different cabling methods
- sharing files and printers
- an introduction to AppleTalk's protocol suite
- the Macintosh® computer's AppleTalk Manager

In addition to these topics, *AppleTalk Network System Overview* points readers needing more technically detailed information to other useful publications. Appendices provide a convenient glossary of terms as well as guidelines for developing worldwide networking products.

With this book, network administrators, managers, and developers will gain a greater understanding of AppleTalk and can make informed decisions about product development and product purchases.

Apple Communications Library Reference
0-201-51760-4 200 pages
$14.95 paperback

Inside AppleTalk®

Inside AppleTalk is the definitive, up-to-date technical guide to the AppleTalk network system for programmers and developers. Written by Gursharan S. Sidhu, Director of Apple's Network Systems Development department, and Richard F. Andrews and Alan B. Oppenheimer, two senior staff engineers, this book provides in-depth coverage of the protocol architecture of AppleTalk. In addition, it includes an overview by Mr. Sidhu.

Key topics covered include:

- physical and data link alternatives
- transmission between nodes via the LocalTalk™ Link Access Protocol (LLAP)
- handling addressing discrepancies with the AppleTalk Address Resolution Protocol (AARP)
- facilitating end-to-end transmission of data via the Datagram Delivery Protocol (DDP) and the Routing Table Maintenance Protocol (RTMP)
- end user services implementation with the AppleTalk Filing Protocol (AFP) and print spooling

Appendices cover LocalTalk specifications, the LLAP procedural model, and AppleTalk parameters.

This completely updated, definitive compendium of AppleTalk protocols is an essential developer's tool and a valuable addition to any Apple programmer's library.

Apple Communications Library Technical
0-201-19257-8 576 pages
$32.95 hardcover *(tentative)*

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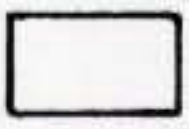

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