Exhibit 1216

the music biz meets th

START M

by Benjamin Kr

START ME UP!
(the music biz meets the personal computer)

Book Design by Patti Podesta
Cover graphic by Patti Podesta and David Bleiman
Illustrations by Marv Newland

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Contents

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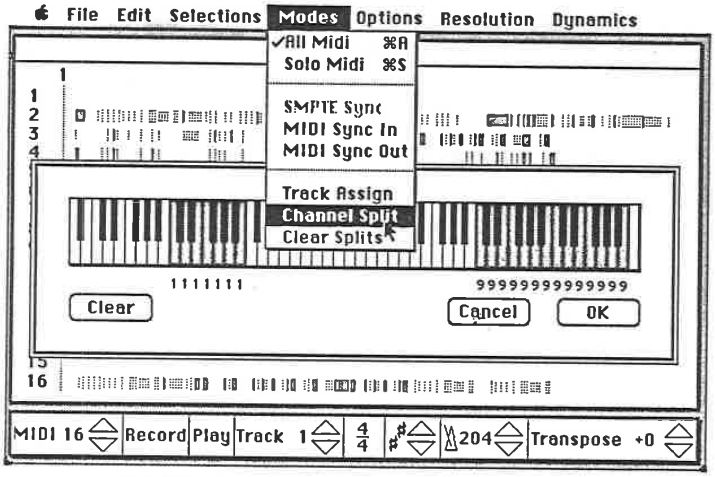
to buy this book.

Benjamin Krepack and Rod Firestone
April 1986

instruments present to receive and playback the instructions. Some keyboards and drum machines have sequencers built-in. It's also possible to add a sequencer on as a separate component. With the help of special software it's even possible to turn a personal computer into a sequencer (see CONNECTION 8.2).

Having the MIDI technology available in the studio can increase the efficiency and productivity of the recording process. When using MIDI, there's no need for microphones, tapes, tape machines, or a sound proofed room. The sound of an instrument can be changed instantly, the tempo of a performance can be changed without effecting the pitch (this is impossible when a performance is recorded on tape because of what is known as the "chipmunk effect"), and when *bouncing down* tracks, there's no loss of fidelity.

A MIDI studio is a great tool for pre-production because it provides a method for musicians to re-arrange, edit, and otherwise refine their composition, prior to committing anything to tape. Many professional recording studios, in fact, are finding their more traditional, multi-track, sound-proofed studios becoming less popular and are now adding MIDI rooms to their facilities.



Total Music™ by Southworth Music Systems Inc.

The Future

MIDI is just the beginning of a brave new
that's taking shape, and we can only guess ab
developments that lie ahead. The ability to co
into digital information, which can then be n
computer, will change the way music is comp
recorded, marketed, and enjoyed.

One exciting development has already be
handful of professional musicians involved in a
recording session. In this session, two studio
satellite hook-up, made it possible for member
record their respective parts while separated
miles. Because of the new technology, the
complete their session almost as if they were si
room.

Sometime in the future, we'll also be see
multitrack digital recorders and studio effect
compact and portable as your standard video c
Once such devices are available, musicians w
studio quality recording in their home (or ga
spending tens of thousands of dollars to ren
recording studio. Along with the smaller si
prices, we might also get some outrageous fe
soon see the day when a computer can actually
voice. No matter how off-key or horrible a voi
might be able to make digital corrections, giv
chance at music stardom.

Maybe one day, we'll even have the ability
thoughts into MIDI data. We might be able to
melody, and it will come out on the instrume
Who knows? There might eventually even be
computer that can guess at national tastes
compose a number one song.

The way we purchase music may change, to
dial-up service for home computers that we co
the titles we want. The songs would be down
information into our home entertainment systen
them back in perfect fidelity.