CATALOGING AUDIO RECORDINGS WITH RDA

Mary Huismann
University of Minnesota
OLAC–MOUG 2014

Welcome everyone!

Note: the shared pdf version of the slides contain the presentation slides, slightly revised to include some questions from each session and slides omitted for time purposes.

Objectives

- Gain an understanding of the differences between AACR2 and RDA cataloging for audio recordings

- Locate RDA instructions pertaining to audio recordings in the RDA Toolkit

- Identify MARC21 fields created to accommodate RDA elements

- Learn about music cataloging resources that supplement RDA instructions pertaining to audio recordings

The objectives for today's session are to:

--Gain an understanding of the differences between AACR2 and RDA cataloging for audio recordings
--Locate RDA instructions pertaining to audio recordings in the RDA Toolkit
--Identify new MARC21 fields created to accommodate RDA elements
--Learn about music cataloging resources that supplement RDA instructions pertaining to audio recordings

Sources used in the preparation of this webinar: RDA Toolkit (including LC-PCC Policy Statements), MLA Best Practices, LC RDA training materials, PCC BSR and various policy documents.

OUTLINE

Today's Agenda

- Introduction to RDA
- Major Differences from AACR2
- Resources
- Description
- Access
- Special Topics
  - "Funny Formats"
  - Non–musical Audio
  - Streaming Audio
- Record Examples

Today's agenda (read slide). We will not get to all of this – later we can choose whether to do Special Topics or spend more time with the record examples.

The focus of is on compact discs, unless specified.

Out of Scope

- Classification

- Medium of Performance/Genre-Form

- Construction of Access Points

- Authority records

Read slide

SPECIAL TOPICS

Spoken Word
Streaming Audio

Spoken Word

- Audiobooks, readings with/over incidental music, exercise/fitness recordings, etc.
- Type: i (non-musical)
- Content, Media, Carrier
  - 336 __ spoken word $b spw $2 rdacontent
  - 337 __ audio $b s $2 rdamedia
  - 338 __ audio disc $b sd $2 rdacarrier
- Edition Statement
  - 250 __ Unabridged .　　　250 __ Abridged.
- Relationship Designator(s)
  - $e author, $e narrator

RDs - $e author (creator – work level), $e narrator (contributor – expression level)

007 s $b d $d f $e s $f n $g g $h n $i n $j m $k m $l n $m e $n d

020 __ 9781442369214
028 02 DD11800 $b Recorded Books

100 1_ Limbaugh, Rush H. $e author, $e narrator.
24510 Rush Revere and the first patriots / $c Rush Limbaugh.
246 1_ $i Subtitle on container: $a Time–travel adventures with exceptional Americans
250 __ Unabridged.
264 _1 New York, NY : $b Audioworks, an imprint of Simon & Schuster Audio, $c p2014.

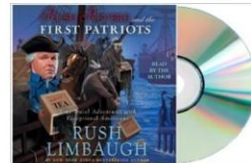300 __ 5 audio discs (approximately 6 hr.) ; $c 4 3/4 in.
306__ 060000

336 __ spoken word $b spw $2 rdacontent
337 __ audio $b s $2 rdamedia
338 __ audio disc $b sd $2 rdacarrier
344 __ digital $2 rda
347 __ audio file $b CD audio $2 rda

Author has multiple roles – author, narrator; RDs in WEMI order

Subtitle only on container, so goes in 246 as variant title

264 $b – transcribed, so must include the whole phrase

300 – not transcribed, so use of "approximately"

511 0_ Read by the author.

520 __ Rush Revere rides again! Saddle up with Rush Limbaugh's really good pal for a new time-travel adventure. "Whoa there, young historians! Before we go rush, rush, rushing off anywhere, I'd like a moment. I'm Liberty, Rush Revere's loquacious equine companion -- his trusty talking horse! Always at the ready to leap from the twenty-first century into America's past, that's me. When he says 'Let's go!' I'm so there. I'm jazzed, I'm psyched, I'm--" "Ah, excuse me, Liberty?" "Yeah, Rush?" "Usually you say 'oh no, not again!' and 'while we're in colonial Boston, can I try the baked beans?'" "Okay, fine -- you do the talking. I'll just be over here, if you need me." ... -- Publisher.

520 __ Rush Revere is transported back to the people and events leading up to the American Revolution.

Both 520s were present in the Connexion record. I'd probably include only the 2nd 520… (the lengthy 1st 520 is from the publisher description)

Sounds

- Sound effects, mechanical sounds, bird calls, etc.
- Type: i (non-musical)
- Content, Media, Carrier
  - 336 __ sounds $b snd $2 rdacontent
  - 337 __ audio $b s $2 rdamedia
  - 338 __ audio disc $b sd $2 rdacarrier
- Relationship designator
  - $e recordist (if information is present)

RD - $e recordist is expression level, so not a creator (must be work-level)

024 1_ 634479401497
245 00 Campfire night : $b nature sounds only version / $c Bjorn Lynne.
264 _1 [Place of publication not identified] : $b Lynne Music ; Shockwave–Sound, $c [2004]
300 __ 1 audio disc (61:07) : $b digital, CD audio, stereo ; $c 4 3/4 in.
336 __ sounds $2 rdacontent
337 __ audio $b s $2 rdamedia
338 __ audio disc $b sd $2 rdacarrier
490 1_ Nature sound series
508 __ Recorded and produced by Bjorn Lynne.
520 __ Late evening, sitting by the campfire in beautiful nature surroundings. The crackle of the fire blends in with the evening ambience featuring crickets with occasional frogs and birds.
700 1_ Lynne, Bjorn, $e recordist, $e producer.
830 _0 Nature sound series.

245 $b could be an edition statement? ("version")

Streaming Audio

- **Guide to Best Practices for Cataloging Streaming Media According to RDA and MARC21 (OLAC)**
  - Forthcoming!
- **Characteristics**
  - Transmitted audio playable immediately
  - Not downloaded, temporarily buffered
  - Disappears after playback is complete
- **Generally available since 1999**
- **Audio files may be available in both streaming and non-streaming versions**
  - common for public domain materials

Streaming media are video or audio transmitted over a network that can be played immediately, with no need to download an entire file before playback. Audio and/or video content is sent to the user as a data stream. A small amount of data is sent ahead to the user's computer and buffered temporarily on the hard drive, and as playback proceeds, more data is constantly streamed to the user's machine. The files created by buffering are temporary, and are gone when playback is complete.

Streaming technology allows users to access audiovisual content on the Internet (or any computer network) without waiting for entire files to download. This minimizes both the amount of time required to view audiovisual content online, and the amount of storage space necessary to do so. Streaming technology also makes it possible for remote users to access live events, such as lectures or radio broadcasts, in real time.

A typical source (from Streaming Media Guide)

A title included in the Alexander Street Press Jazz service:

Another example

Streaming Audio

Recommended to apply:

- PCC Provider–Neutral guidelines
  - *Provider–Neutral E-Resource MARC Record Guide: P-N/RDA version*
    - http://www.loc.gov/aba/pcc/scs/documents/PN-RDA-Combined.docx
- PCC RDA BIBCO Standard Record
  - *PCC RDA BIBCO Standard Record (BSR) Metadata Application Profile*
    - http://www.loc.gov/aba/pcc/scs/documents/PCC-RDA-BSR.pdf

Note that the OLAC guide contains an appendix with instructions if an institution does not want to apply P-N guidelines

Streaming Audio

- Type: i (non–musical) or j (musical)
- 006 for computer files

Position	OCLC	Description	Value	
006/00	Type	Form of material	m	Computer file
006/06	Form	Form of item	o	Online
006/09	File	Type of file	h	Sound

Add an 006 for secondary characteristics (computer files)

Streaming Audio

- 007 for audio recording

Position	Sub field	Description	Value
007/00	a	Category of material	**s** Sound recording
007/01	b	Specific material designation	**z** Other
007/03	d	Speed	**z** Other
007/04	e	Config. of playback channels	Varies
007/05 –08	f, g, h, i	Groove width, Dimensions, Tape width, Tape config.	All: **n** Not applicable
007/12	m	Special playback characteristics	**e** Digital recording
007/13	n	Capture and storage technique	Varies

2 007s – 1 for audio recording, 1 for computer resources

Streaming Audio

- 007 for computer file

Position	Sub field	Description	Value
007/00	a	Category of material	c Electronic resource
007/01	b	Specific material designation	r Remote
007/03	d	Color	n Not applicable
007/04	e	Dimensions	n Not applicable
007/07	f	Sound	a Sound

007 CF – these are the critical subfields, others are optional

Content, Media Carrier

- Musical Streaming Audio
  - 336 __ performed music $prm $2 rdacontent
  - 337 __ computer $b c $2 rdamedia
  - 337 __ audio $b s $2 rdamedia
  - 338 __ online resource $b cr $2 rdacarrier

- Non-musical Streaming Audio
  - 336 __ spoken word $b spw $2 rdacontent
  - (336 __ sounds $b snd $2 rdacontent)
  - 337 __ computer $b c $2 rdamedia
  - 337 __ audio $b s $2 rdamedia
  - 338 __ online resource $b cr $2 rdacarrier

Note the 2 337 fields: computer, audio

Streaming Audio

- 040 __ $b eng $e rda **$e pn**
- 300 __ 1 online resource (1 audio file, <duration>)
- 344 __ digital $g <stereo> $2 rda
- 347
  - Use for specific file formats
  - Use $3 to identify source
- 856 for direct link to resource (preferred)
  - Do not include institution–specific info if using P–N guidelines

Add $e pn if applying P-N guidelines

<> indicates variable data – fill in what applies to your resource

Type: j	ELvl: I	Srce: d	Audn:	Ctrl:	Lang: eng
BLvl: m	Form: o	Comp: pp	AccM:	MRec:	Ctry: xxu
	Part: n	TrAr: n			
Desc: i	FMus: n	LTxt:	DtSt: s	Date1: 1928	Date2:

```
006 __ m    o h
007 __ c $b r $e n $f a $g nnn $j a $l u
007 __ s $b z $d z $e s $f n $g n $h n $i n $j n $k z $l n $m e $n d
033 00 19280326
043 __ n-us-hi
040 __ XXX $b eng $e rda $e pn $c XXX
245 00 Sunkist Hawaii / $c Sam Ku West Harmony Boys.
264 _1 [United States?] : [RCA Victor?], $c [1928?]
300 __ 1 online resource (1 audio file, 2 min., 52 sec.).
306 __ 000252
336 __ performed music $b prm $2 rdacontent
337 __ computer $b c $2 rdamedia
338 __ online resource $b cr $2 rdacarrier
```

Audio example from the Streaming Media guide

344 __ $3 Internet Archive $a digital $2 rda
347 __ $3 Internet Archive $a audio file $b FLAC $c 7.8 MB
347 __ $3 Internet Archive $a audio file $b MP3 $c 2.1 MB $2 rda
347 __ $3 Internet Archive $a audio file $b Ogg Vorbis $c 1.5 MB
347 __ $3 Internet Archive $a audio file $b WAV $c14.5 MB $2 rda
546 __ Sung in English.
511 0_ Sam Ku West Harmony Boys.
518 __ $o Recorded $ 1928 March 26.
500 __ Originally issued as 78 rpm disc; added to Internet Archive website May 11, 2012.
588 __ Description based on online resource; title from resource web page (Internet Archive, viewed May 21, 2014).
710 2_ Sam Ku West Harmony Boys, $e performer.
856 40 $3 Internet Archive (FLAC) $u https://archive.org/download/SamKuWestHarmonyBoysSunkistHawaii /Sam_Ku_West_Harmony_Boys–Sunkist_Hawaii–1928.flac

[etc.]

SPECIAL TOPICS

"Funny Formats"
   SACD – DVD–Audio – Blu–ray Audio
   Enhanced CD

To borrow a phrase from one of my OLAC-MOUG colleagues…

SACD

- 1999
- Higher fidelity sound than CD
  - 5+ channels of sound
- SACD
  - SACD requires SACD player
- Hybrid SACD
 - Hybrid SACD playable on most CD players
  - SACD + PCM stereo layers

First available in 1999

SACDs always have 2 channel stereo sound plus optional surround sound (called "Multi-channel" and discs carry a "Multi-ch." logo usually on the back of the container). Pure SACDs are encrypted and readable only by a licensed SACD device. Hybrid discs, though, ARE playable on a normal CD player or computer drive. SACDs can't contain video content (unlike DVD-audio)
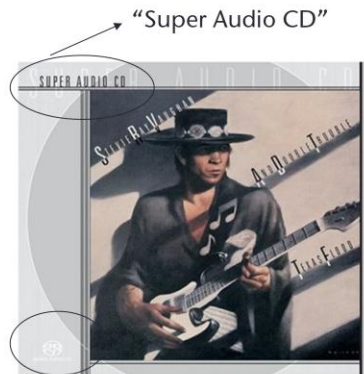
SACDs are usually well-marked...
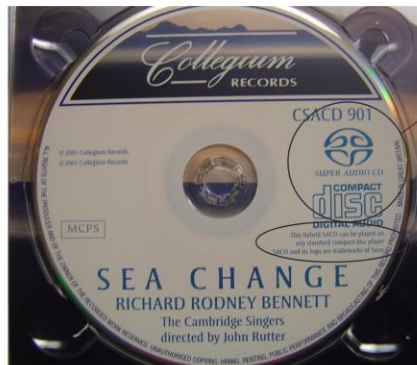
Hybrid SACDs usually carry both the SACD and CD logos, and some verbage about compatibility with standard CD players. Hybrid SACDs are much more common.

SACD

- Two 007 fields
  - 007/04 (007 $e)   s = stereo
  - 007/04 (007 $e)   q = surround
- 33X as usual
- 344 __ digital **$g stereo $g surround** $2 rda
- 347 __ audio file **$b CD audio $b SACD** $2 rda
- 538 __ Hybrid super audio CD, multi–channel stereo; "playable on all standard CD players"

Cataloging considerations for SACDs:
1. Multiple 007s can be entered to reflect both the CD and SACD characteristics (notably 007/04 will need to be coded for SACD multichannel and also CD stereo)
2. 33X as usual for audio recordings
3. 344 & 347 – note the repeated subfields to capture all the info
4. 538 systems requirement note; should describe what technology is present and what playback equipment is necessary for use.

007 s $b d $d f **$e s** $g g $h n $i n $j m $k m $l n $m e $n d
007 s $b d $d f **$e q** $g g $h n $i n $j m $k m $l n $m e $n d

245 00 Delius in Norway.
300 __ 1 audio disc (1:18:32) ; $c 4 3/4 in.

336 __ performed music $b prm $2 rdacontent
337 __ audio $b s $2 rdamedia
338 __ audio disc $b sd $2 rdacarrier

344 __ digital $g stereo **$g surround** $2 rda
347 __ audio file $b CD audio **$b SACD** $2 rda

538 __ "Recorded in 24-bit/96 kHz 5.0 channel surround sound ... This
hybrid CD can be played on any standard CD player"--Container. SACD-
encoded layer requires SACD equipment.

Note the 2 – 007s, 33X, 344 (adds $g surround), 347 (adds $b SACD)

The 538 could be worded to include "hybrid SACD" if you wanted to have that searchable
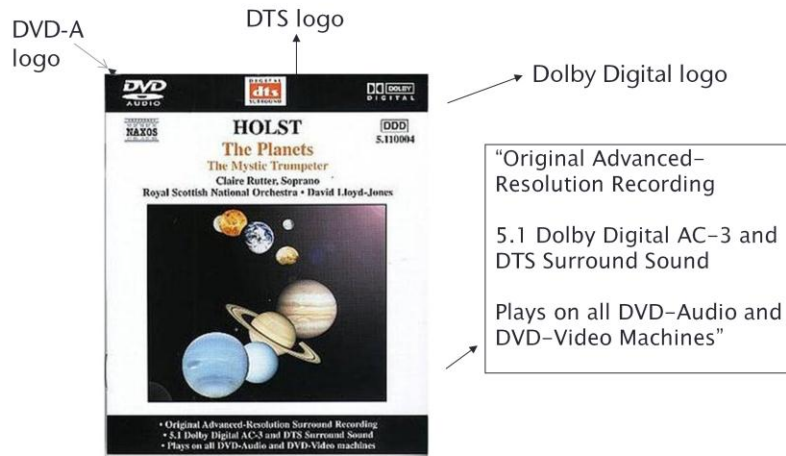
An early DVD-Audio; most aren't so heavily branded these days! (DTS = Digital Theatre System)

DVD–Audio

- 2000
- Developed by Panasonic for high quality audio data
- Characteristics
  - Optical disc, laser–read (red laser)
  - Multiple configurations of audio channels
    - from 1 channel mono to 5.1 surround
- Hybrid DVD–A (HDAD)
- Market rival for Super Audio CD (SACD)

DVD AUDIO

Multiple configurations of audio channels
     1 channel mono to 5.1 surround
Higher capacity disc than CD
Includes extra materials
Hybrid DVD-A (HDAD) also available
     HDAD requires DVD-A player

DVD–Audio

- Two 007 fields
  - 007/04 (007 $e)　s = stereo
  - 007/04 (007 $e)　q = surround
- 33X as usual
- 344 __ digital **$g stereo $g surround** $2 rda
- 347 __ audio file **$b DVD audio** $2 rda
- 538 __ Requires DVD–audio compatible player.

Again, we need 2 007 fields for the 2 different sound channel configuration

007 s $b d $d f **$e s** $f n $g g $h n $i n $j m $k m $l n $m e $n e
007 s $b d $d f **$e q** $f n $g g $h n $i n $j m $k m $l n $m e $n e

100 1_ Strauss, Richard, $d 1864–1949, $e composer.
245 10 Also sprach Zarathustra ; $b Eine Alpensinfonie / $c Richard
Strauss.

300 __ 1 audio disc (82 min., 47 sec.) ; $c 4 3/4 in.

336 __ performed music $b prm $2 rdacontent
337 __ audio $b s $2 rdamedia
338 __ audio disc $b sd $2 rdacarrier

344 __ digital **$g stereo $g surround** $2 rda
347 __ audio file **$b DVD audio** $2 rda

Note the 2 – 007s
33X as usual
344 - $g surround
347 - $b DVD audio

538 __ DVD-Audio (DVD 10, double-sided); compatible with DVD-Audio and DVD-Video players; contains no video images; cannot be played on a CD player.

538 __ $3 Side A: $a DVD-Video-compatible Dolby Digital AC3-encoded surround sound and 24-bit linear PCM stereo.

538 __ $3 Side B: $a DVD-Audio-compatible MLP-encoded 24-bit surround and stereo.

This was a double-sided disc – uses 3 - 538 fields (too complicated for a single note)

1 - for the resource as a whole
2 - for Side A
3 - for Side B

1st available in 2008, with a "relaunch" as High Fidelity Pure Audio in 2013

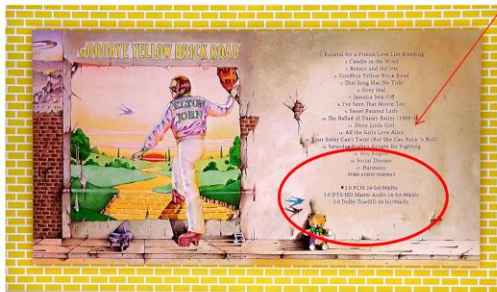An extension of the Blu-ray video format: requires a Blu-ray player; playable on Playstation 3

Can hold a whopping 7 hours of material (contrast with the CD which holds 78 minutes)

Some discs may come with an mp3 download option

Blu-ray Audio

"Pure Audio Format"
2.0 PCM 24-bit/96kHz
2.0 DTS-HD Master Audio 24-bit/96kHz
2.0 Dolby TrueHD 24-bit/96kHz

Contrasting Blu-ray package with CD package (upper pic)

Typical Blu-ray stereo options

Blu-ray Audio

- Two 007 fields
  - 007/04 (007 $e)   s = stereo
  - 007/04 (007 $e)   q = surround
- 33X as usual
- 344 __ digital **$g stereo $g surround** $2 rda
- 347 __ audio file **$b Blu-ray audio**
  - NO $2 rda
- 538 __ Requires Blu-ray audio compatible player.

Similar to DVD-audio

Note that 347 cannot use $2 rda, since "Blu-ray audio" is NOT in the RDA list!

007 s $b d $d f $e s $f n $g g $h n $i n $j m $k m $l n $m e $n d
007 s $b d $d f $e q $f n $g g $h n $i n $j m $k m $l n $m e $n d

245 00 American anthem / $c the music of Samuel Barber & Howard
Hanson.

300 2 audio discs (74:02 each) ; $c 4 3/4 in.

336 performed music $b prm $2 rdacontent
337 audio $b s $2 rdamedia
338 audio disc $b sd $2 rdacarrier

344 digital $g stereo $2 rda $3 CD
344 digital $g surround $2 rda $3 Blu-Ray disc

347 audio file $b CD audio $2 rda $3 CD
347 audio file $b Blu-Ray audio $3 Blu-Ray disc

No $2 rda

2 – 007s
33X as usual – same for both discs

2 sets of 344 & 347:

$3 used to specify which disc

347 – note lack of $2 rda, since term "Blu-ray audio" is not in the list of audio
encoding formats at RDA 3.19
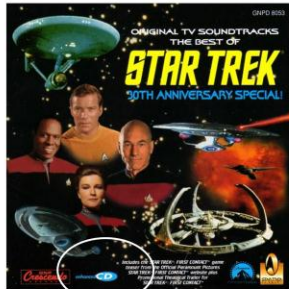
A general 500 note to describe the disc combo

The existing 538 in the record, rather cryptic, provides info on the Blu-ray disc. I'd probably spell out the need for a special player.

Enhanced CDs

Enhanced CD logo ⟶

Enhanced CDs

- Combination CD/CD–ROM

- Identify by logo or note

- List of system requirements

An enhanced CD is a combination CD/CD-ROM. The CD portion is audio, and the CD-ROM portion may include things like documentaries, video clips, still pictures or text. These generally work in either standalone CD players (audio only) or computer drives.

There really isn't a standard way these discs are identified. Sometimes it will be noted on the label or the container (usually in teeny-tiny print!) or there will be a list of system requirements for the CD-ROM content.

(Reference):
http://www.discmakers.com/music/products/enhancedcd.asp
What's an Enhanced CD?
An Enhanced CD is an audio CD that includes CD-ROM data such as video, photos, web links, and more.

Audio CDs have 78 minutes of available space, but most recordings only contain about 60 minutes of music. An Enhanced CD (E-CD) uses this leftover space to include additional data. In an audio player, an E-CD simply plays music. But on a PC or Mac, it launches the additional content
http://www.musicfan.com/what.php
An enhanced compact disc (ECD) is an audio CD with multimedia content that can be played on both audio CD and computer-based CD-ROM players. DVD stands for Digital Versatile Disc. It is a disc that can hold cinema-like digital video, audio that surpasses

the quality of conventional CDs, and computer data. There are many enhanced CD and music DVD titles on the market and if you are a music collector and/or fan you won't want to miss out on owning some of these great titles!

Enhanced CDs

MARC	OCLC	Description
006/00	Form of Material	**m** Electronic
006/09	File	Varies
008/23	Form	**s** Electronic

- 33X for audio
- 33X for computer
- 344 __ $a digital $g stereo $2 rda
- 347 __ $a audio file $b CD audio $2 rda
- 347 for "extras"
- 538 __ System requirements for "extras"
- 505 or 500 for contents of disc and "extras"

Cataloging enhanced CDs is similar to regular CDs, with the addition of a few fields to bring out the CD-ROM aspect:
1. Add an 006 for the CD-ROM aspect; code especially the form of material and type of computer file.
2. Code the fixed field "Form of item" s for electronic. Normally this is not done for regular CDs. It is only done for enhanced CDs that require a computer to use the special features.
3. Include a 538 system requirements note; information may be found on the container, insert, or disc.
4. Provide a formatted or unformatted contents note for both the disc and the "extras."

008/23 (Form): s

007 __ s $b d $d f $e s $f n $g g $h n $i n $j m $k m $l n $m e $n e
007 __ c $b o $d u $e g $f a

245 00 Froissart / $c Elgar. Checkmate. Suite / Bliss. Symphony no.
4 / Vaughan Williams.

300 1 audio disc : $b digital, CD audio, stereo ; $c 4 3/4 in.
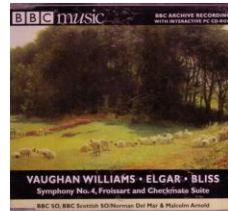336 performed music $b prm $2 rdacontent
336 computer program $b cop $2 rdacontent
337 audio $b s $2 rdamedia
337 computer $b c $2 rdamedia
338 audio disc $b sd $2 rdacarrier
338 computer disc $b cd $2 rdacarrier

An example – an enhanced CD that accompanies a periodical issue

```
340  $b 4 3/4 in.
344  digital $b optical $g stereo $2 rda
347  audio file $b CD audio $2 rda

538 __  Enhanced CD system requirements: PC with Windows 3.x or
95; at least 4 MB RAM; approx. 6 MB free hard disk space; a 256–
color 640X480 display or better; CD–Extra compatible CD–ROM
drive; sound card and speakers or link to hi–fi; mouse. (For CD–
Extra, your CD–ROM drive must be multisession and have suitable
drivers. Its audio output must be connected to your PC soundcard
or to a hi–fi. Some drives, mostly older models, will not work with
CD–Extra at all. For others, new driver software may be required.
The multimedia program on this disc cannot normally be used on
Apple Macintosh computers.).
```

includes enhanced "multimedia program"

QUESTIONS?

Questions?

Thank you!

Thank you!