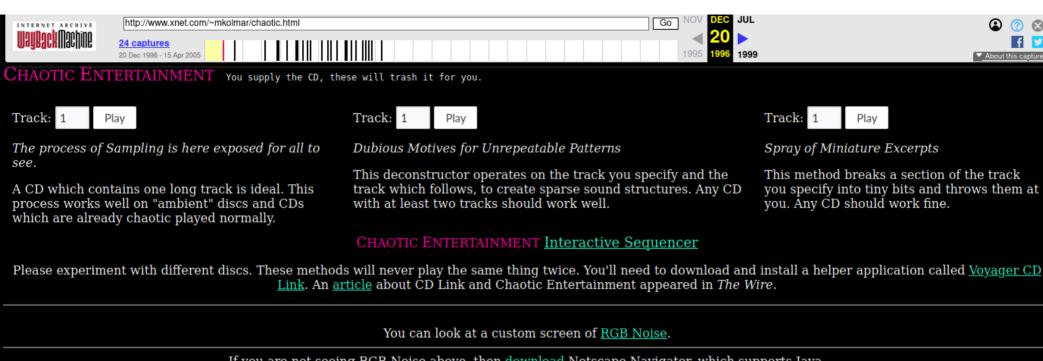


# Reanimating the CDLink platform: A challenge for the preservation of mid-1990s Web-based interactive media and net.art

Dr Eamonn Bell Department of Music Trinity College Dublin Engaging with Web Archives #EWA20 Virtual 21 September 2020



http://www.xnet.com/~mkolmar/chaotic.html



If you are not seeing RGB Noise above, then download Netscape Navigator, which supports Java.

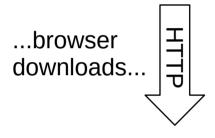
[ My Home Page | CCS Home Page ]

Mark Kolmar < mkolmar@xnet.com >

Want to look sharp on the Web? I want to help you. HTML, CGI, sound design, etc....

# Voyager CDLink

<a href="control.vcd">Track 1</a>



audio CD controls

Interpreted by CDLink





(Voyager Company press release, 1995)

"Voyager CDLink makes an end-run around the bandwidth bottleneck; that stack of discs gathering dust on the stereo represents a bundle of highresolution digital media that's already been delivered to the user."

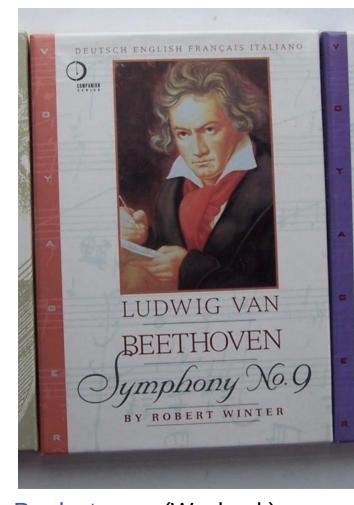


(Voyager Company press release, 1995)

# The Voyager Company

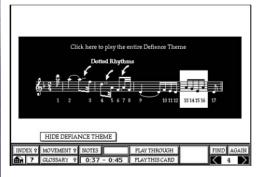
Jon Turell, Bill Becker, Aleen Stein, and Robert Stein

1984 (CA → NY)



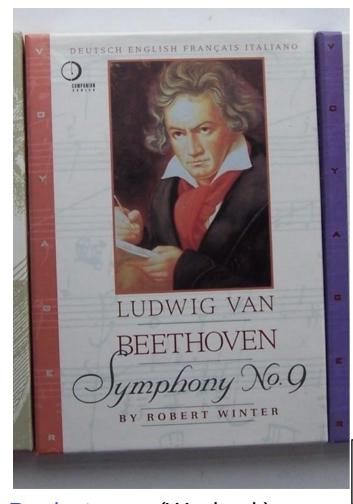


**HyperCard** 



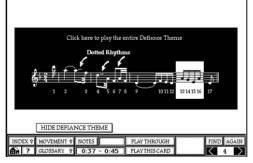
**1989**: floppy + audio CD **1991**: mixed-mode CD

Product page (Wayback)
OCLC/Worldcat "all editions"





**HyperCard** 



**1989**: floppy + audio CD **1991**: mixed-mode CD



"The single best source of stimulating, innovative CD-ROM titles."

-- The New York Times



#### A Night To Remember

A CD-ROM based on the film of the same name, "A Night To Remember" is a fascinating history of the "unsinkable" Titanic. 30% off now!



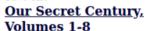
#### Dracula: Truth and Terror Horror invades your hard drive with

Horror invades your hard drive with Raymond McNally's blood dripping study of the fanged one. 30% off!!



#### The Louvre For Kids

Zoom in on the Mona Lisa's smile, or view the Venus de Milo from different angles. A world of educational, artistic fun for kids. 30% off!





Hilarious, disturbing and immensely revealing, Rick Prelinger's films are startling odes to an idealized national identity. 30% off!

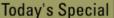
#### Painters Painting

A CD-ROM based on the film of the same name, Painters Painting is a vibrant collective portrait of tumultuous post-war New York art



#### **CD-ROMs by Title**

CD-ROMs by
Category
about art
art
books
cultures
documentary
educational
film
kids & parents
meditation & exercise
music
nature
thought & testimony





Product page (Wayback)
OCLC/Worldcat "all editions"

CD-ROM products (1996) (Wayback)

# The Voyager CD AudioStack (1990)



*MacUser* January 1990, p. 294

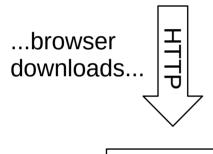


The Voyager CD
AudioStack is a
HyperCard tool kit for
creating your own
interactive CD-audio
guides. The EventMaker is one of the
main tools. Once
you've identified a
particular passage of
CD audio, you can
automatically create a
button that plays it
from your stack.

*MacUser* November 1990, p. 88

# Voyager CDLink architecture

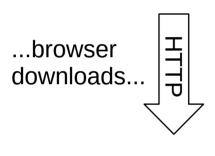
<a href="control.vcd">Track 1</a>



.VCD file

## Voyager CDLink architecture

<a href="control.vcd">Track 1</a>





#### Link to .VCD specification (Wayback)

#### The VCD Control Language

This section uses the following notation:

```
CAPITALIZED WORDS - A command or literal
Data in <>'s - Required parameters
Data in {}'s - Optional parameters
tmsf - Track, Minute, Second, Frame (1/75th-second)
```

The "example usage" texts linked below represent the comthe linked text.

```
PLAY {t,m,s,f}{,t,m,s,f}

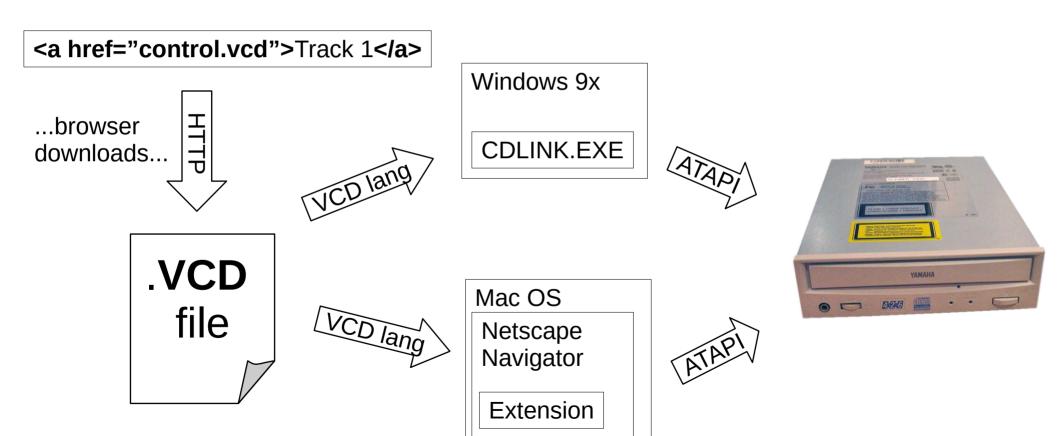
Example Usage:

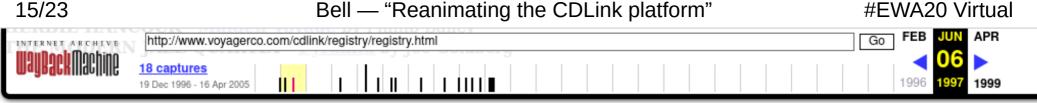
[COMMANDS]
PLAY -- plays the CD from its current position, clearing any

[COMMANDS]
PLAY 03,01,00,00 -- plays from track 3, minute 1, second and

[COMMANDS]
PLAY 03,01,00,00,03,03,20,00 -- plays a 2-minute, 20-second of the company of
```

# Voyager CDLink architecture





#### THE CDLINK REGISTRY:

Browse alphabetically by band name or artist's last name:

 $A \mid B \mid C \mid D \mid E \mid F \mid G \mid H \mid I \mid J \mid K \mid L \mid M \mid N \mid O \mid P \mid Q \mid R \mid S \mid T \mid U \mid V \mid W \mid X \mid Y \mid Z$ 

A

Link to The CDLink Registry (Wayback Machine)

ACADEMY OF ST. MARTIN-IN-THE-FIELDS - J. S. Bach's "Musical Offering" by Tim Smith

ALBITA - No Se Parece A Nada by Mark Schone

LAURIE ANDERSON - <u>Bright Red</u> by Phil Zampino

В

J.S. BACH - Art of Fugue

**Musical Offering** 

Fourteen Canons on the Goldberg Ground all above entries by Tim Smith

**BEASTIE BOYS -Ill Communication** by Thomas Goetz

THE BEATLES - Sgt. Pepper's Lonely Hearts Club Band by Bruce Eder

Past Masters - Volume One (compares She Loves You and Sie Liebt Dich) by Dave Haber

BON JOVI - New Jersey by Gavin Edwards

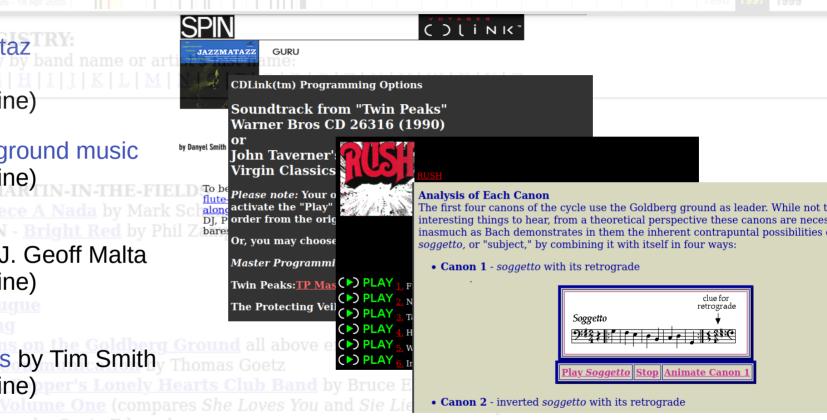
BUSH - Sixteen Stone by Dave Bonds

**DAVID BYRNE** - **David Byrne** by Alec Foege

DeathNET background music (Wayback Machine)

Rush fansite by J. Geoff Malta (Wayback Machine)

Fourteen Canons by Tim Smith (Wayback Machine)



**BON JOVI - <u>New Jersey</u> by Gavin Edwards BUSH - <u>Sixteen Stone</u> by Dave Bonds <b>DAVID BYRNE - <u>David Byrne</u> b**y Alec Foe

### Behind Chaotic Entertainment



## Behind Chaotic Entertainment



[excerpt from contents of .VCD file generated by *Chaotic Entertainment*'s "spray" feature]

```
play 1,4,35,58,1,4,35,63
play 1,4,34,51,1,4,34,55
play 1,4,34,63,1,4,34,67
play 1,4,34,68,1,4,34,72
play 1,4,34,74,1,4,35,3
```

(Straebel 1997)

19/23

# Wayback Machine "diff" of Chaotic Entertainment 1996-12-20 vs 1999-02-10

#### **Deleted text**

New text

IIIdUK: I Play

The process of Sampling is here exposed for all to see.

A CD which contains one long track is ideal. This process works well on "ambient" discs and

CDs which are already chaotic played normally.

Dubious Motives for Unrepeatable Patterns

This deconstructor operates on the track yo specify and the track wh follows, to create sparse sound structures. Any Cl with at least two tracks should work well.

or erns

> them at you. Any CD should work fine.

#### C HAOTIC E NTERTAINMENT Interactive Sequencer

Please experiment with different discs. These methods will never play the same thing twice. You'll need to download and install a helper application called  $\underline{\text{Voyager CD Link}}$ . An article about CD Link and Chaotic Entertainment appeared in *The Wire* .

# twice. You'll need to download and insert the last of Miniature of Min

his site also has been written un i

#### C HAOTIC E NTERTAINMENT Custom Sequencer

Please experiment with different discs. These methods will never play the same thing twice. You'll need to download and install a helper application called <a href="Voyager CD Link">Voyager CD Link</a>. [The entire Voyager site is gone, so you can download the PC version of the program from here.] An article about CD Link and Chaotic Entertainment appeared in The Wire. This site also has been written up in Tower Records' Pulse! magazine, while another article appears in the German music journal Positionen.

You can look at a custom screen of RGB Noise.





https://www.youtube.com/watch?v=t3217H8Jppl (Accessed 30 August 2020, 16:05 p.m.)

# Select bibliography

Gillen, Marilyn A. "Labels Link CDs, Web Sites via CDLink." *Billboard*; New York 107, no. 29 (July 22, 1995): 58.

Straebel, Volker. "Chaotic Entertainment': Mark Kolmars CD-Remix Im Internet." Positionen 31 (May 1997): 31–33.

"Voyager: CDLink 12 July Press Release," Captured June 6, 1997. https://web.archive.org/web/19970606172601/http://www.voyagerco.com/cdlink/getstarted/pressrel.html.

"Voyager CDLink (VCD) Control Language Reference," Captured June 6, 1997. https://web.archive.org/web/19970606172542/http://www.voyagerco.com/cdlink/about/vcd\_ref/cmdref.html.

www.eamonnbell.com for more
or contact <belle2@tcd.ie>