

Historia de la Música Electroacústica

VII

la década de transición

de ca. 1985 a ca. 1995

Synclavier (1977 – 1993)

- New England Digital Corporation, Vermont
- Jon Appleton (Dartmouth College)
- 1977: Sinclavier I
 - síntesis FM
- 1980: Sinclavier II
 - síntesis FM, *sampling*, grabación digital
- “*tapeless studio*”
- influencia en *computer-music* y en música popular

Synclavier II (1980 –)

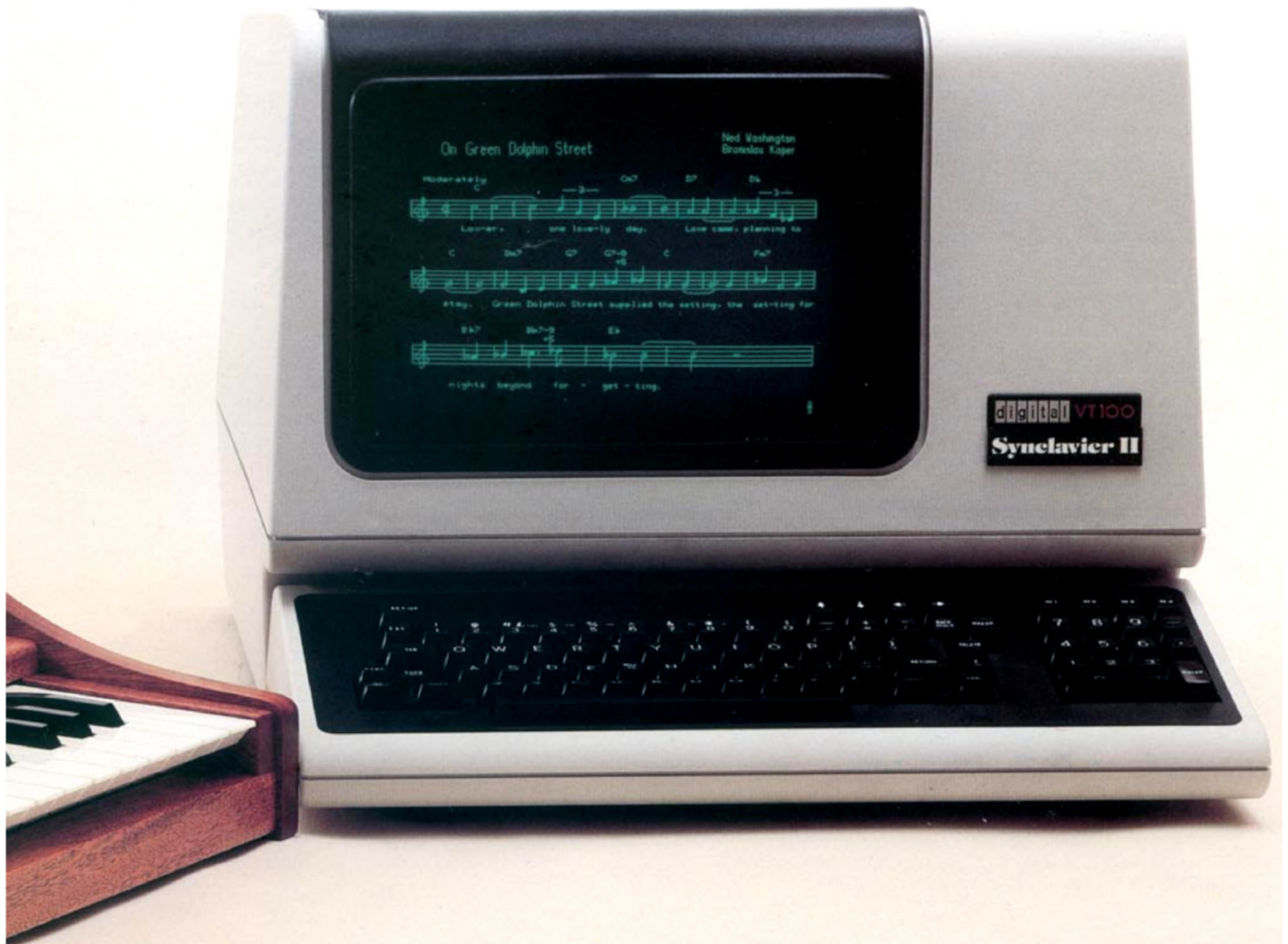
- 16 bits, 100 KHz
- polifonía de 64 voces
- 32 Mb RAM, disco duro externo
- síntesis FM, aditiva, *sampling*
- grabación digital, 16 pistas a 50 KHz
- ca. US\$75.000 a US\$500.000
- terminal de control
 - procesador de 16 bits
 - 128 Kb RAM



Synclavier II (1980)



Synclavier II (1980)



Synclavier II – terminal de control (1980)



Gene DeLisa – Synclavier I (1983)



Larry Austin, Paul Winsor – Synclavier II (1980s)



Synclavier 9600



Synclavier 9600

Frank Zappa [1940 – 1993]

Jazz from Hell [1986]

Fairlight (1979 – 1988)

- 1979 – 1982: Series I
 - Motorola 6800
 - 8 bits, 24 Khz
 - 208 Kb RAM
- 1982: Series II
 - 8 bits, 35 Khz
 - Page R (secuenciador)
- 1983 – 1985: Series Iix
- 1985 – 1988: Series III
 - 16 bits, 44100
 - 14 Mb RAM
 - polifonía de 16 voces
 - ca. US\$30.000 a US\$200.000



Fairlight CMI Series I (1979 – 1982)



Fairlight CMI Series I (1980)

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COMMAND: _____

FILE: COMMONS .RS REAL-TIME COMPOSER Total patterns: 60

Speed: 2800 Sync: INT Bar: 0 Used: 14 Left: 46

Pattern: **1** Time: 4/4 Comment:

KICK1	1	
LMSNARE	2	p
CROSSTIX	3	
CALIMHH1	4	
HIHAT2	5	
HHOPEN1	6	p
CLAPGATE	7	
BASSGT	8	

Voices

Audible: ON

▲ INSERT
▲ DELETE
▲ ZERO
▲

LOCK
CANCEL
FILL
| | | | | | | |

PLAY
STOP
RECOED
editor: PATTERN
SONG



FAIRLIGHT
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Fairlight CMI Series II (1982 – 1983)



Fairlight CMI Series IIx (1983 – 1985)



Fairlight CMI Series III (1985 – 1988)

E-mu Emulator (1981 – 1990s)

- primer *sampler* digital de producción masiva
- Emulator (1981 – 1983)
 - 8 bits
 - 4/8 voces
- Emulator II (1984 – 1987)
 - 8 bits, 27.7 KHz
- Emulator III (1987 – 1990)
 - 16 bits, 44100 KHz
 - 4MB / 8MB RAM
 - US\$12.000 a 15.000



E-mu Emulator I (1981–1983)



E-mu Emulator II (1984–1987)

Yamaha DX7 (1983 – 1989)

- primer sintetizador digital de producción masiva
- síntesis FM
- monotímbrico
- 16 voces
- teclado con *velocity* y *aftertouch*
- MIDI



Yamaha DX7 (1983–1989)



MIDI – Musical Instrument Digital Interface

- estándar de comunicación entre instrumentos digitales
- 1981: primera propuesta de Roland a Oberheim
- Sequential Circuits, Yamaha, Korg, Kawai
- 1983: MIDI Specification 1.0
- programas secuenciadores y editores
- 1991: General MIDI

Joel Chadabe [1938 –]

Valentine [1988]

Jan Williams, marimba

NeXT

- 1989 – 1990: NeXT Computer
 - CPU Motorola 68030 25MHz
 - DSP 25 MHz Motorola DSP56001
 - 8 MB RAM (hasta 16 MB)
- 1990 – 1993: NeXT Cube
 - CPU Motorola 68040 25MHz
 - DSP 25 MHz Motorola DSP56001
 - 16 MB RAM (hasta 64 MB)
 - 400 MB / 1.4GB hard drive



NeXT Cube (1990 – 1993)

Paul Lansky [1944 –]

Table's clear [1991]

Paul Lansky [1944 –]

Hammer [1991]