

**MAME / ARCHIVE.ORG:  
PRESERVAÇÃO HISTÓRICA DE  
DISPOSITIVOS ELETRÔNICOS NA WEB**

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# INTERNET ARCHIVE



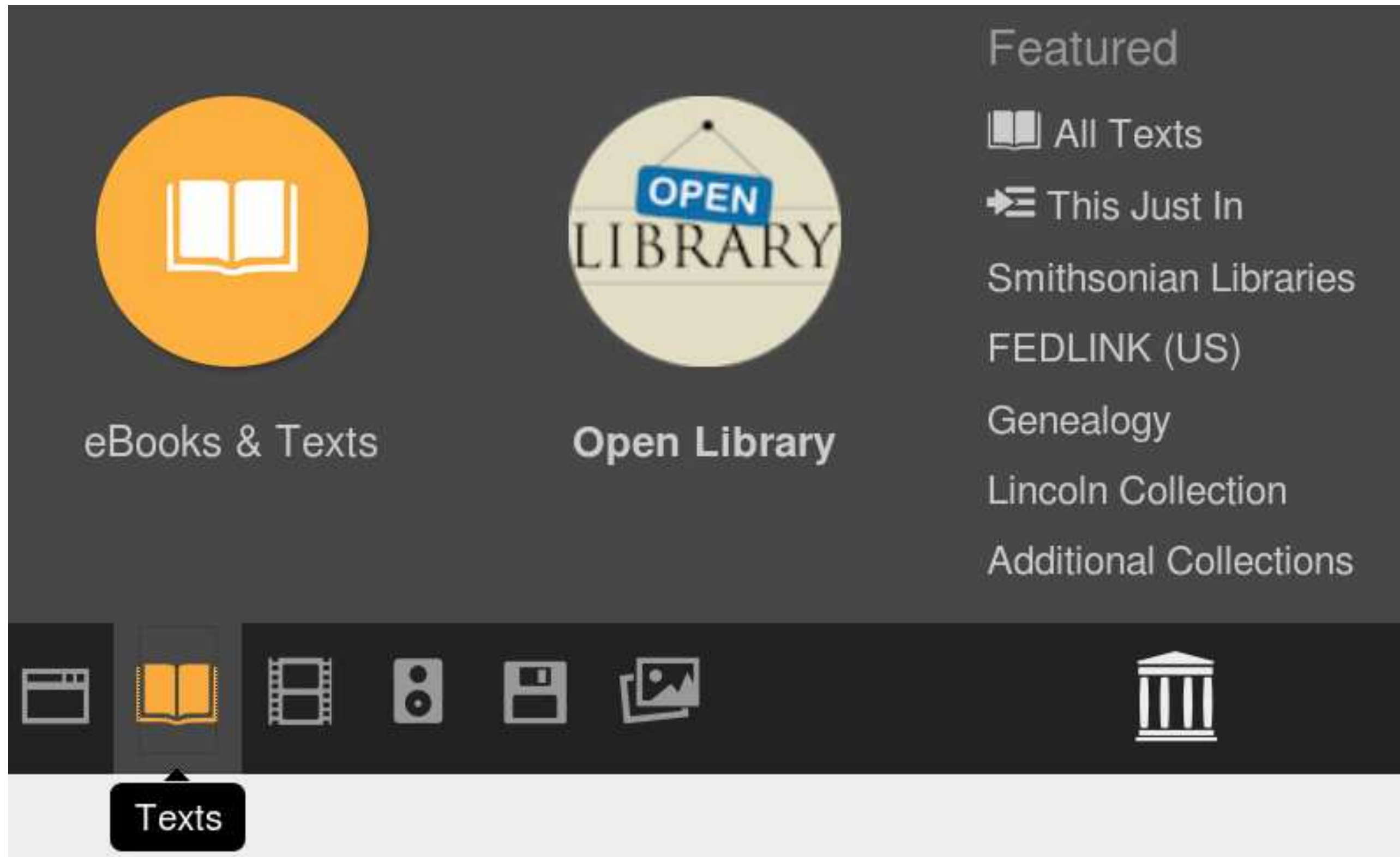
**Preservação histórica**

# WAYBACK MACHINE



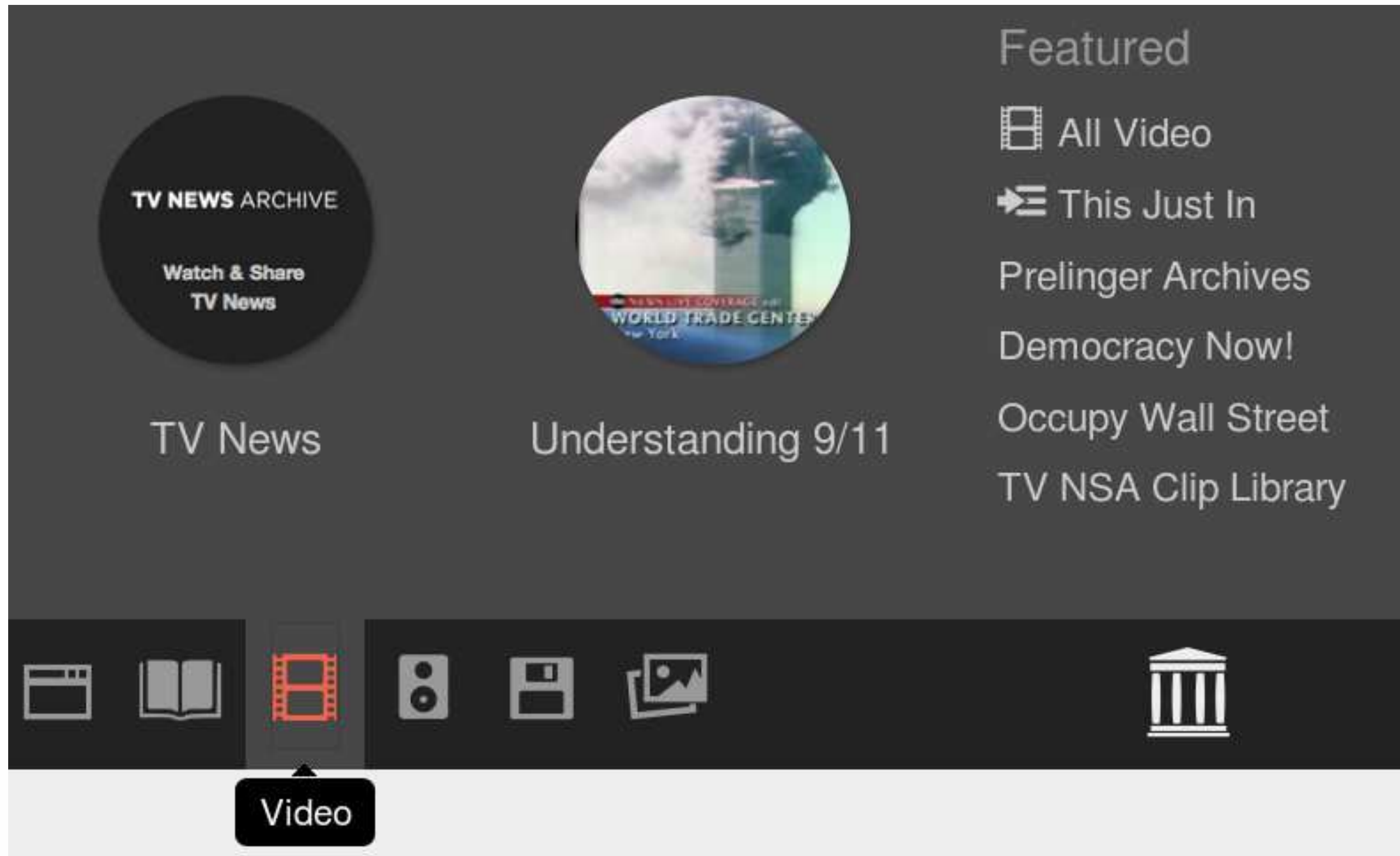
**"backup de toda a web"**

# iINTERNET ARCHIVE



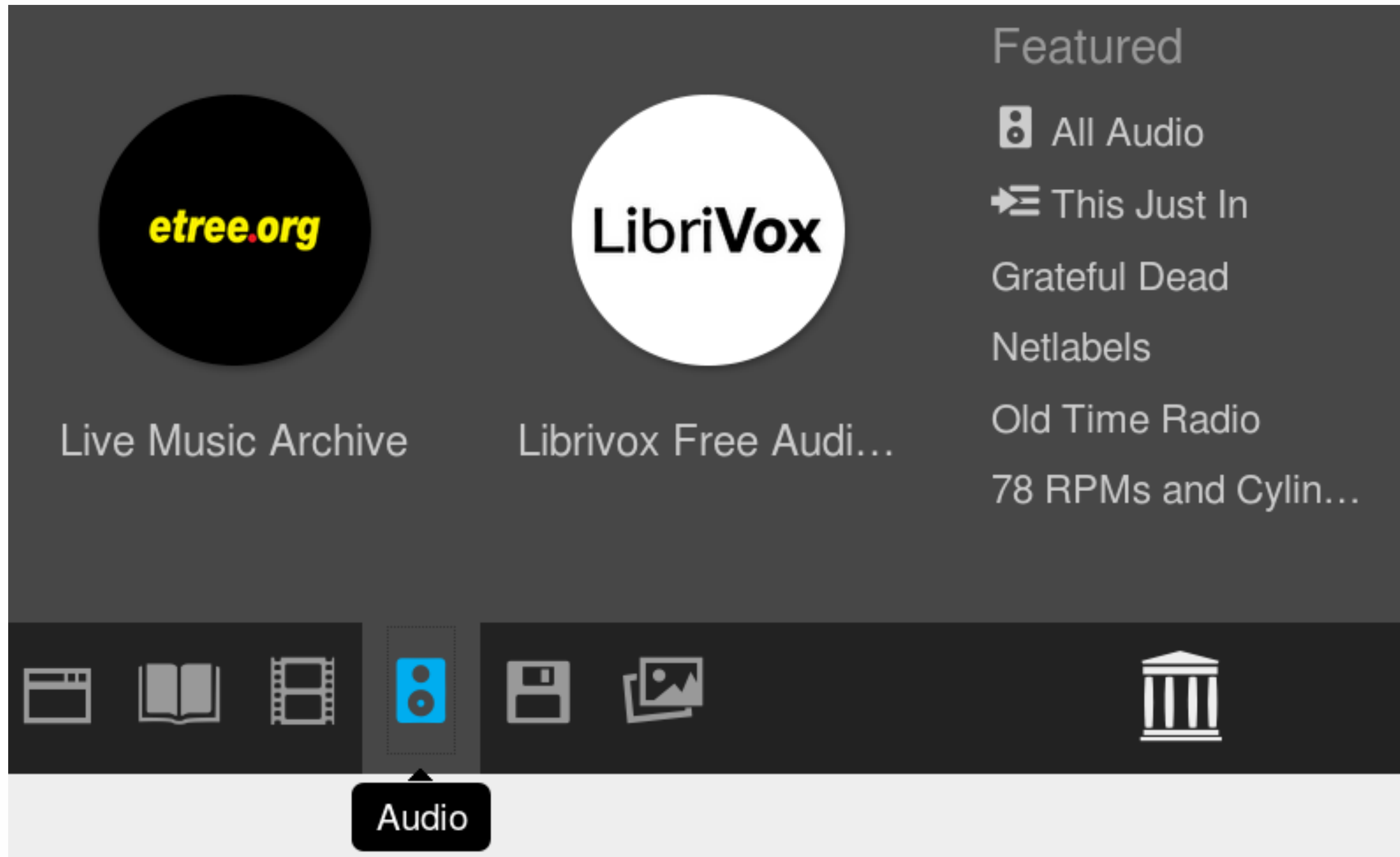
**Texto**

# iNTERNET ARCHIVE



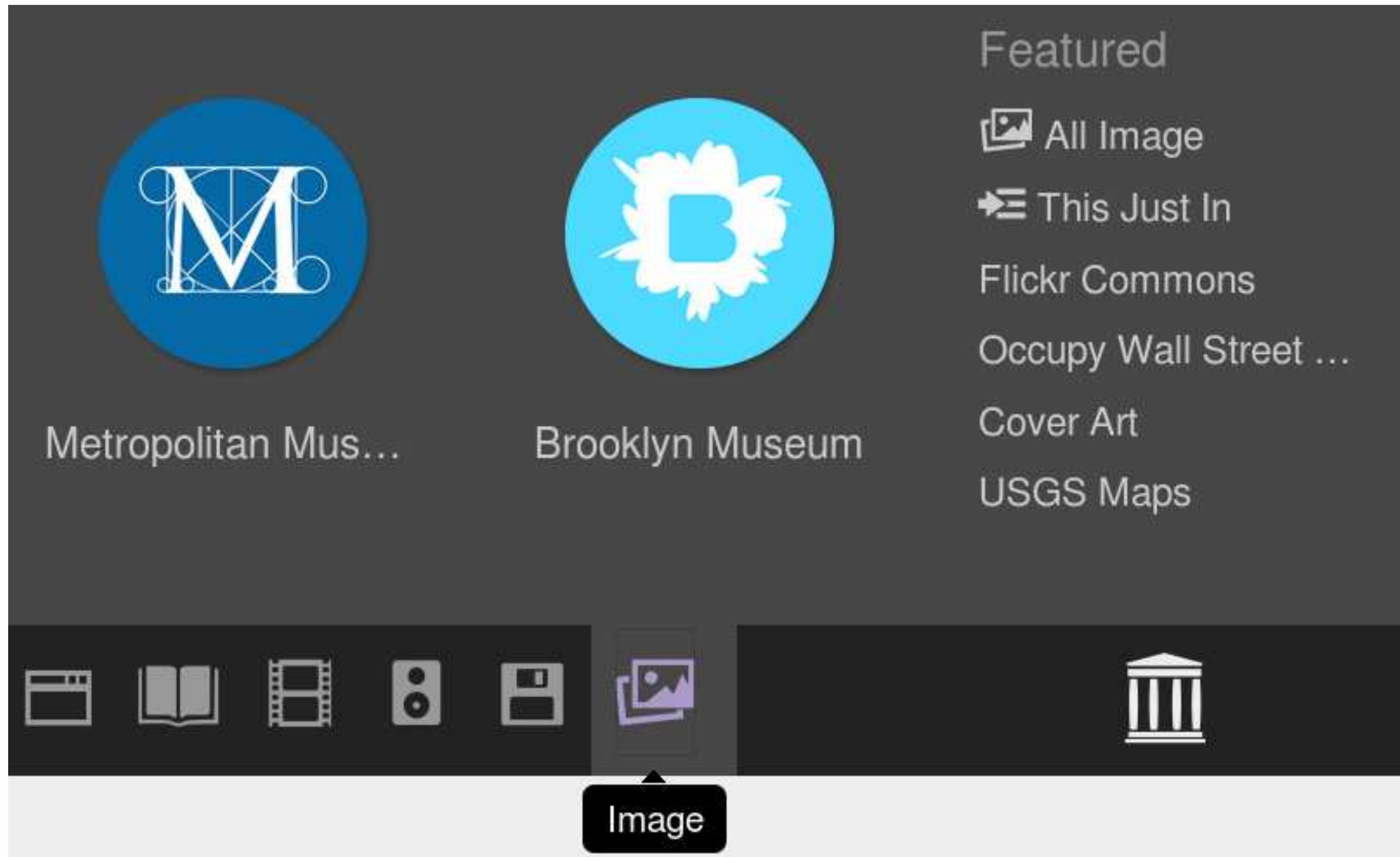
Vídeos

# iNTERNET ARCHIVE



Áudio

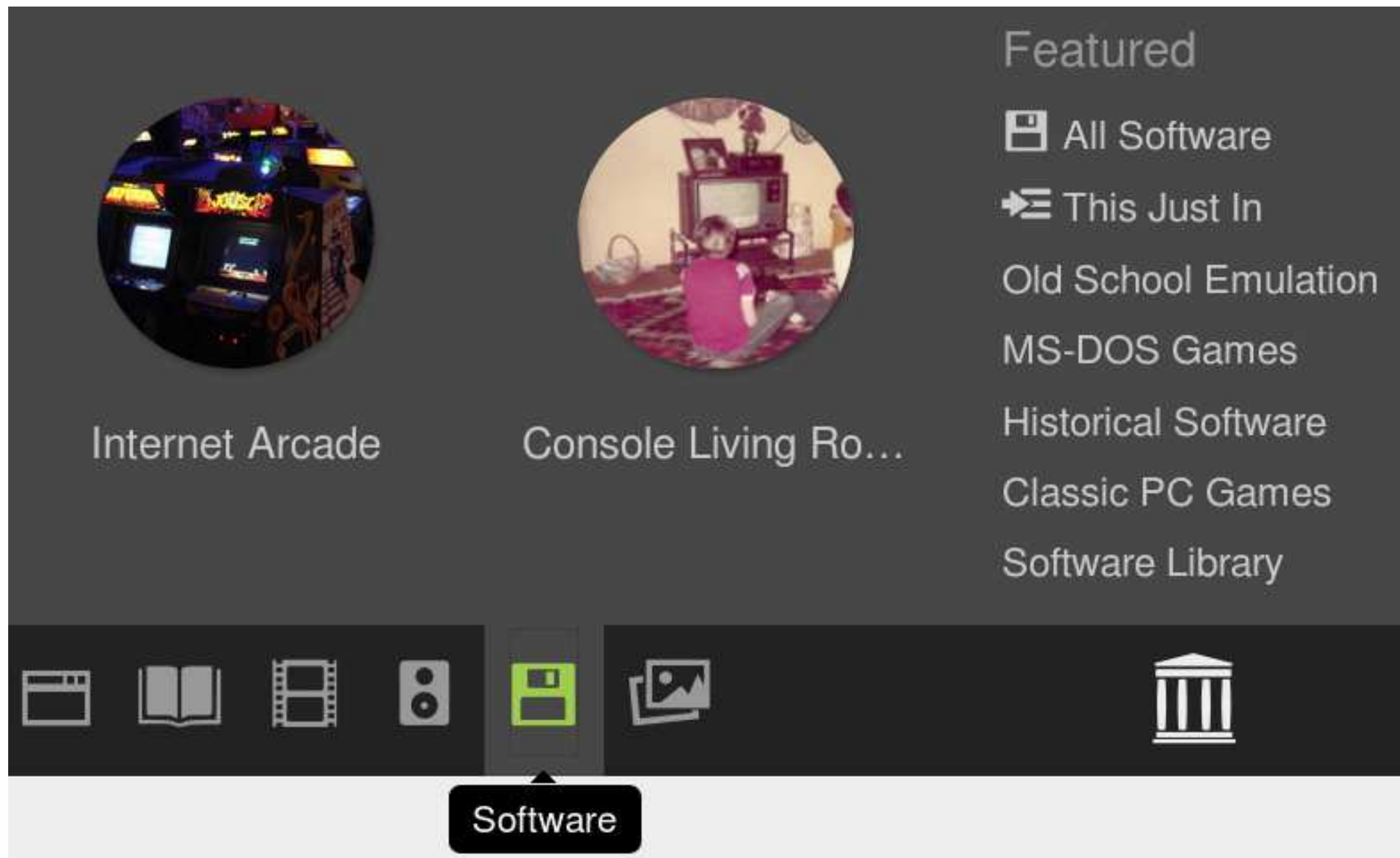
# iINTERNET ARCHIVE



**Imagens**



# iINTERNET ARCHIVE



Software



# DEMONSTRAÇÃO:



[https://archive.org/details/gg\\_Mega\\_Man\\_1994Capcom\\_U.S.\\_Gold](https://archive.org/details/gg_Mega_Man_1994Capcom_U.S._Gold)

## MEGA MAN no GAME GEAR





----- THE OFFICIAL SITE OF THE MAME DEVELOPMENT TEAM -----

RSS 

## Information

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- » [Project History](#)
- » [Legal](#)
- » [Contact](#)
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## Welcome to MAME...

You've reached the official site of the MAME development team.

MAME stands for **M**ultiple **A**rcade **M**achine **E**mulator. When used in conjunction with images of the original arcade game's ROM and disk data, MAME attempts to reproduce that game as faithfully as possible on a more modern general-purpose computer. MAME can currently emulate several thousand different classic arcade video games from the late 1970s through the modern era.

## Latest Version:

MAME 0.153 7 Apr 14

[-- DOWNLOAD NOW --](#)



[Download source updates](#) to MAME 0.153

# MULTI ARCADE MACHINE EMULATOR



A green printed circuit board (PCB) for an arcade system. It is densely populated with integrated circuits (chips), capacitors, and other electronic components. A ribbon cable connector is visible on the right side. Two yellow circular labels are present: one with 'RCA 2014' and another with 'WIFI NAME'. Several chips are labeled with white circles containing numbers: 1, 2, 3, 4, and 5.

**MAIN SYSTEM**

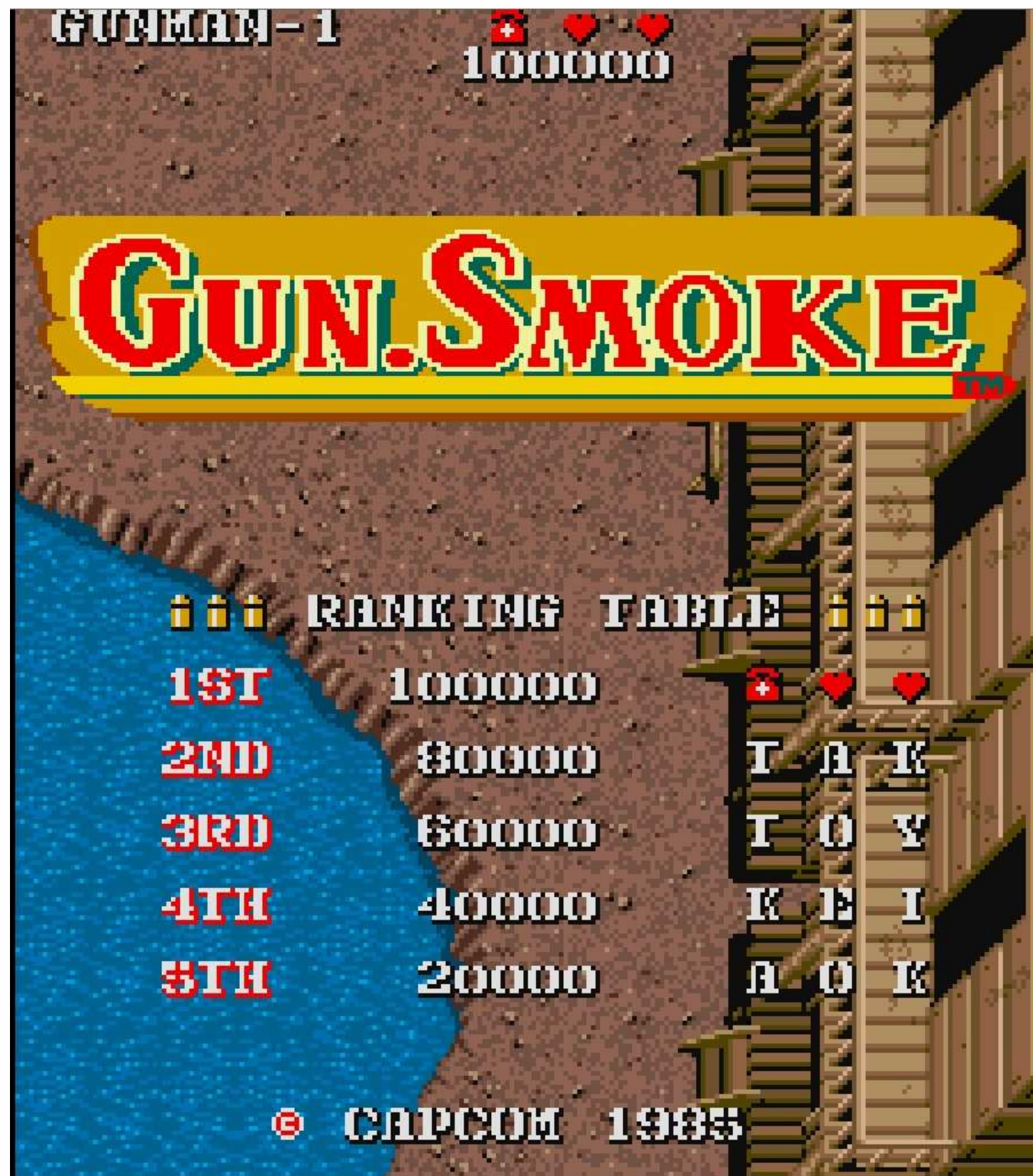
A green printed circuit board (PCB) for video hardware. It features numerous integrated circuits and components. A ribbon cable connector is visible on the left side. Chips are labeled with white circles containing numbers: 5, 6, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 20, 21, and 22.

**VIDEO HARDWARE**

**GUNSMOKE: PLACAS DO ARCADE**



# GUNSMOKE



CAPCOM 1985



# CARRIER AIR WING



**CAPCOM 1992**



# CARRIER AIR WING



CAPCOM 1992





**MULTI EMULATOR SUPER SYSTEM**



**APPLE II**



# Commodore 64 MicroComputer

High Resolution & Sound Synthesizer · Alta risoluzione grafica e sintetizzatore di suono



 **commodore**  
COMPUTER

# COMMODORE 64





**MSX (GRADIENTE)**



# MAKERBOT REPLICATOR 1



**desktop 3d printer**

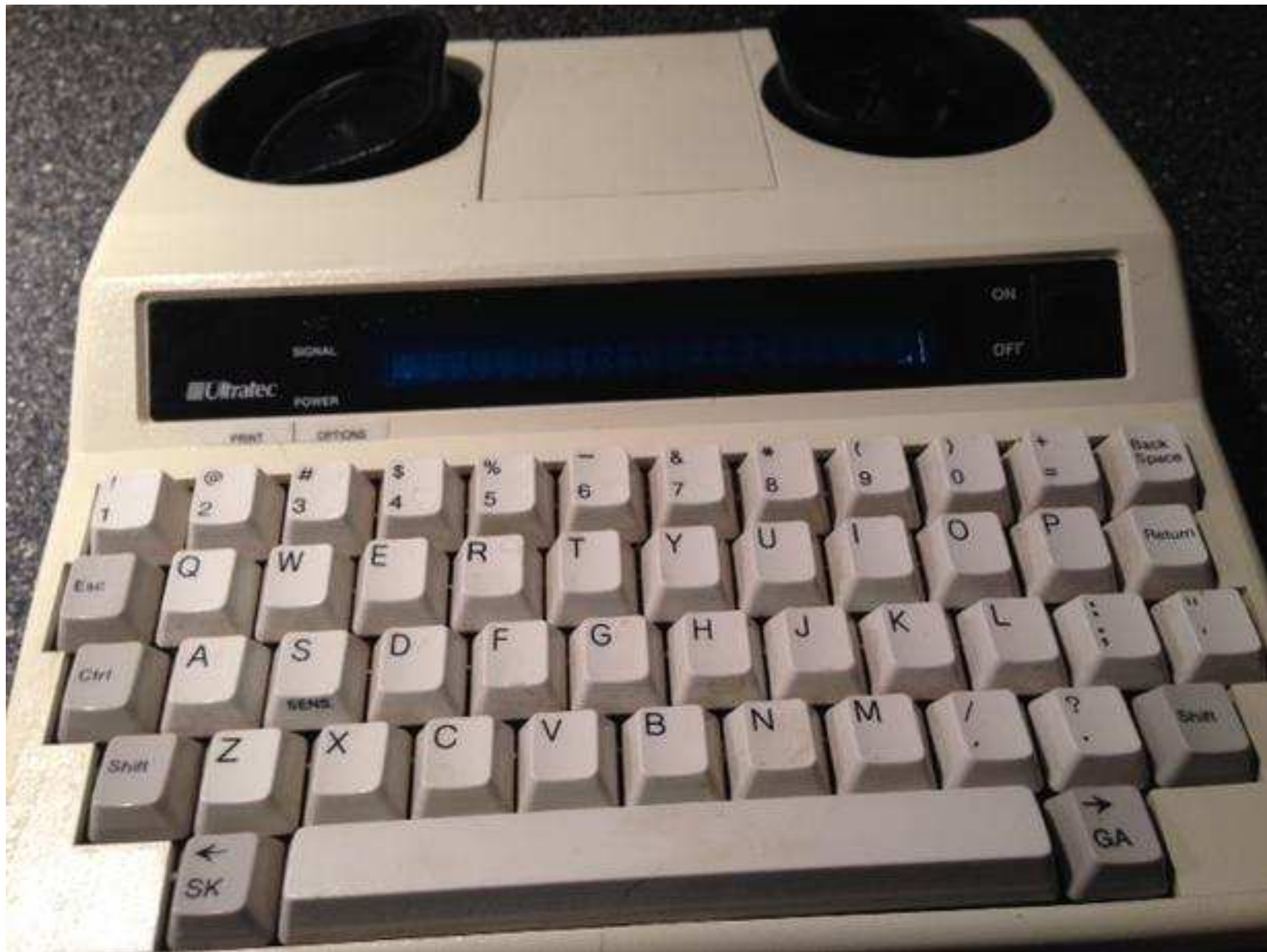
# UZEBOX PROJECT



**8-bit open hardware video-game**



# ULTRATEC MINICOM IV



**acoustic-coupled teletype**

# SOFTWARE LIVRE ?

## MAME is going open source

20 May 2015

After lot of years being under MAME own license (prohibiting any commercial use) and therefore not open source, we are finally moving towards becoming officially open source project. Idea is to keep core under BSD3 license and rest is up to developers that created code (drivers and devices emulation). (options are BSD3, LGPL2 or GPL2)

Hopefully this will bring more new developers to MAME project and give more life to project itself.

Please note that MAME trademark is still valid the "MAME" name and MAME logo may not be used without first obtaining permission of the trademark holder.

If you have contributed in past and we still did not contact you please contact us at [mamedev@mamedev.org](mailto:mamedev@mamedev.org).

# relicenciamento do MAME



# DATASHEETS

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## HD44780U (LCD-II)

(Dot Matrix Liquid Crystal Display Controller/Driver)

# HITACHI

ADE-207-272(Z)  
'99.9  
Rev. 0.0

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### Description

The HD44780U dot-matrix liquid crystal display controller and driver LSI displays alphanumerics, Japanese kana characters, and symbols. It can be configured to drive a dot-matrix liquid crystal display under the control of a 4- or 8-bit microprocessor. Since all the functions such as display RAM, character generator, and liquid crystal driver, required for driving a dot-matrix liquid crystal display are internally provided on one chip, a minimal system can be interfaced with this controller/driver.

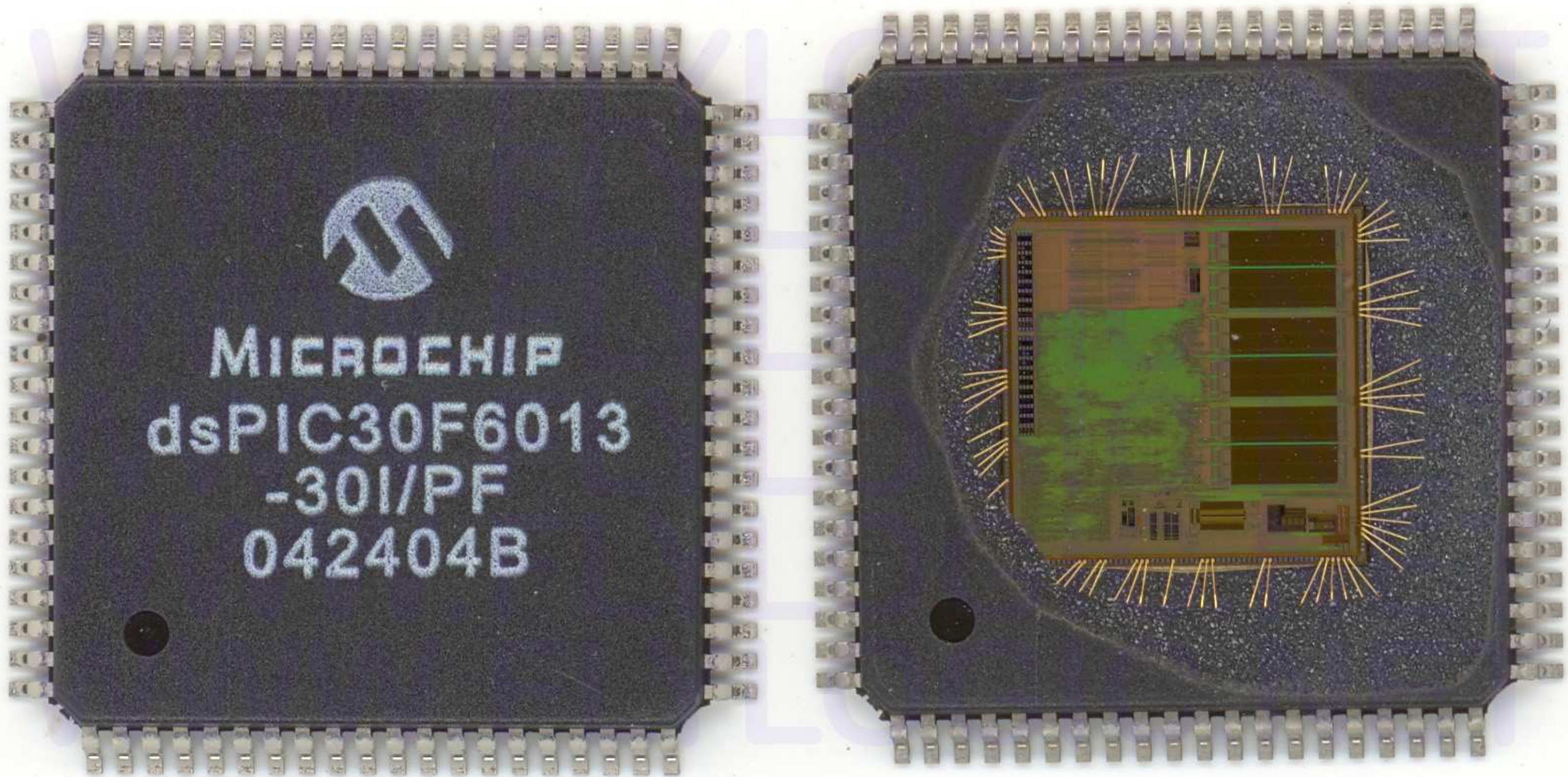
A single HD44780U can display up to one 8-character line or two 8-character lines.

The HD44780U has pin function compatibility with the HD44780S which allows the user to easily replace an LCD-II with an HD44780U. The HD44780U character generator ROM is extended to generate 208 5 × 8 dot character fonts and 32 5 × 10 dot character fonts for a total of 240 different character fonts.

# Informações técnicas oficiais



# ENGENHARIA REVERSA





# LINUX LIBRE



Free Software Foundation

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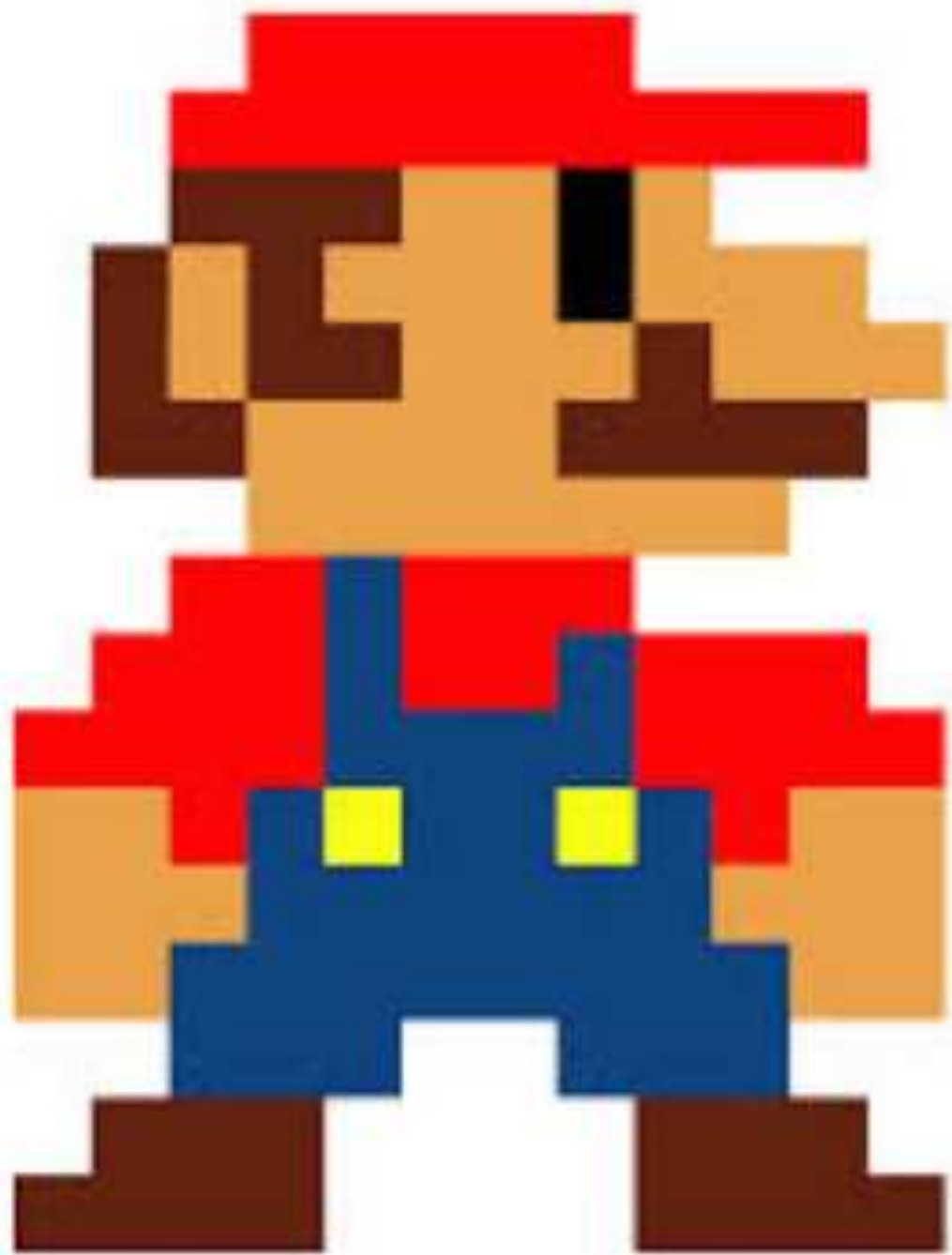


**GNU Linux-libre, Free as in Freedom**

Linux, the kernel developed and distributed by Linus Torvalds et al, contains non-Free Software, i.e., software that does not respect your **essential freedoms**, and it induces you to install additional non-Free Software that it doesn't contain.

# Removendo blobs proprietários

# PARADOXO





# PROVA DE CONCEITO: MACBOOKS

## iSeeYou: Disabling the MacBook Webcam Indicator LED

Matthew Brocker  
Johns Hopkins University

Stephen Checkoway  
Johns Hopkins University

**Abstract**—The ubiquitous webcam indicator LED is an important privacy feature which provides a visual cue that the camera is turned on. We describe how to disable the LED on a class of Apple internal iSight webcams used in some versions of MacBook laptops and iMac desktops. This enables video to be captured without any visual indication to the user and can be accomplished entirely in user space by an unprivileged (non-root) application.

The same technique that allows us to disable the LED, namely reprogramming the firmware that runs on the iSight, enables a virtual machine escape whereby malware running inside a virtual machine reprograms the camera to act as a USB Human Interface Device (HID) keyboard which executes code in the host operating system.

We build two proofs-of-concept: (1) an OS X application, *iSeeYou*, which demonstrates capturing video with the LED disabled; and (2) a virtual machine escape that launches *Terminal.app* and runs shell commands. To defend against these and related threats, we build an OS X kernel extension,



(a) Image sensor (front)



(b) Image sensor (back)



(c) Main board (front)



(d) Main board (back)

<https://jscholarship.library.jhu.edu/bitstream/handle/1774.2/36569/camera.pdf>

# Ataque em Firmware da WebCam

# Volkswagen AG

XETRA: VOW3 - Sep 21 5:35 PM CET

**132.20** **↓30.20 (18.60%)**

1 day

**5 day**

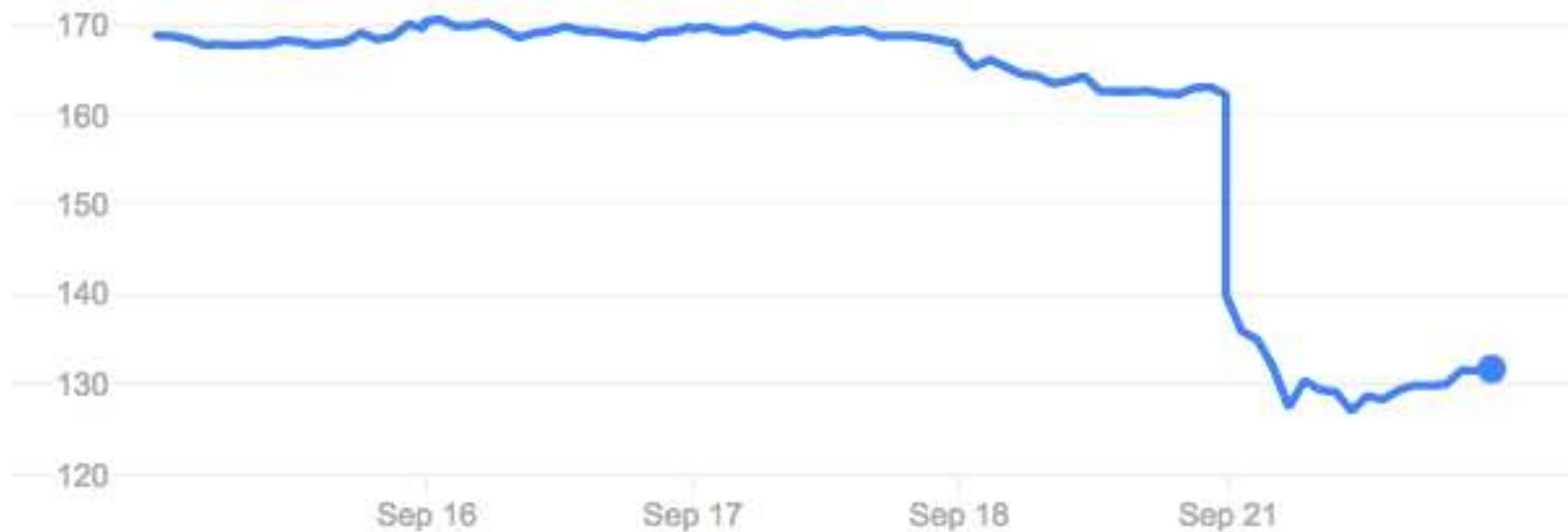
1 month

3 month

1 year

5 year

max



Open 139.95  
High 142.90  
Low 125.40

Mkt cap 62.64B  
P/E ratio 6.12  
Div yield 3.68%

# ESCÂNDALO VOLKSWAGEN

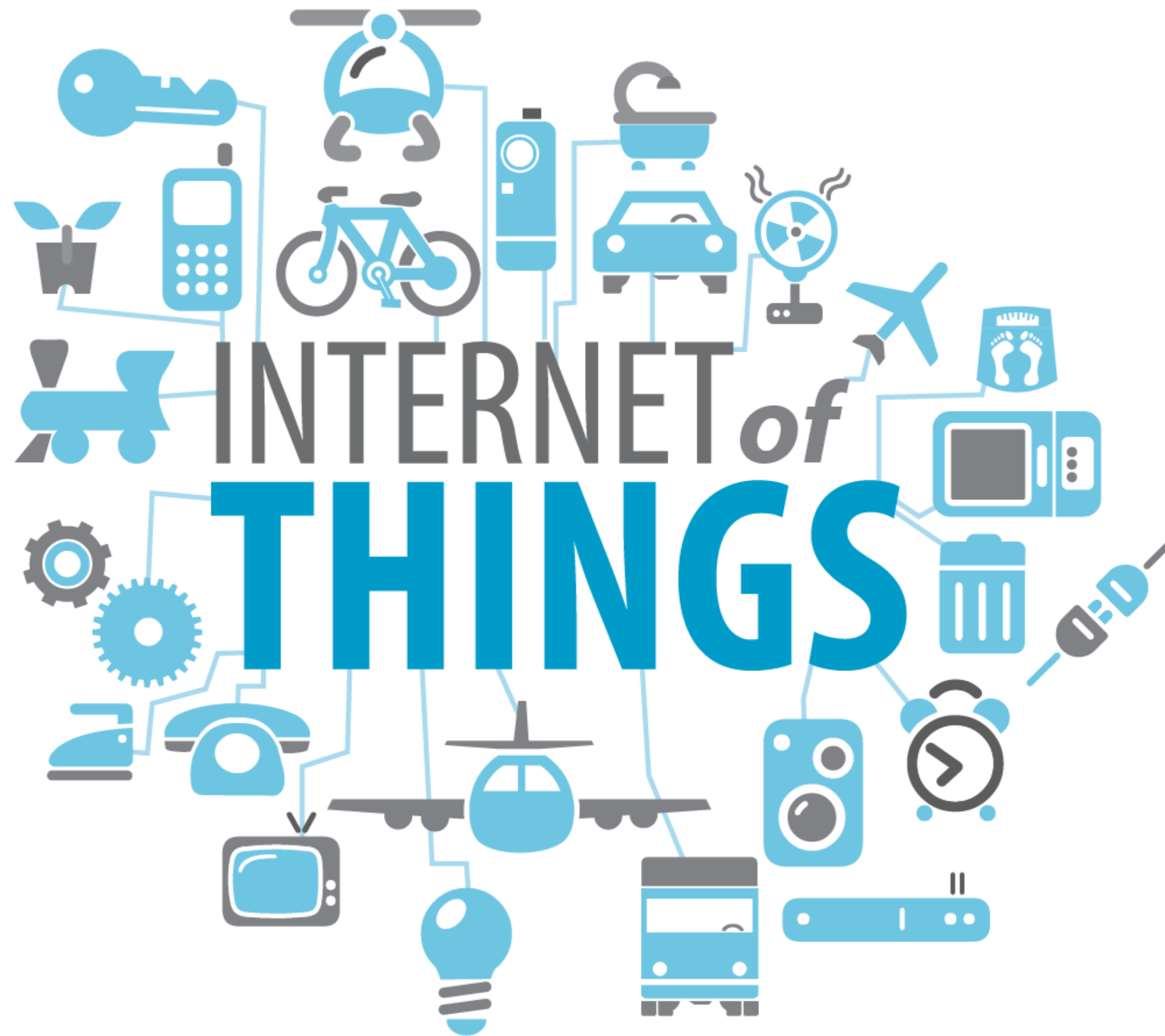
Secure Boot Violation

Invalid signature detected. Check Secure  
Boot Policy in Setup

OK

**BOOT "SEGURO" ?**





# INTERNET OF "THREATS"

```
... cattle, u, c=argu...  
... if (id.hasOwnProperty(p)&&c (...  
... "if (true)" + hr + ")break;}  
... length" + lr + ")return (0);  
... length:if (1>0)s. dirty=true;" +  
... delete d[r[i]];return (r.
```

**TRANSPILAÇÃO: C++ --> JAVASCRIPT**





**TRANSPILAÇÃO NÃO-LIVRE ?**



A large yellow square occupies the upper half of the image. In the center of this square, the letters 'JS' are written in a large, bold, dark gray sans-serif font.

# JS

**EXECUÇÃO DE CÓDIGO ARBITRÁRIO**

# POSSIBILIDADES PARA O FUTURO



**Escaneamento 3D + OpenGL/WebGL**



# OBRIGADO!



[https://github.com/felipesanches/WebBr2015\\_MAME\\_ArchiveOrg/](https://github.com/felipesanches/WebBr2015_MAME_ArchiveOrg/)

[juca@members.fsf.org](mailto:juca@members.fsf.org)