A very simple *CFR for producing BingoFuel*

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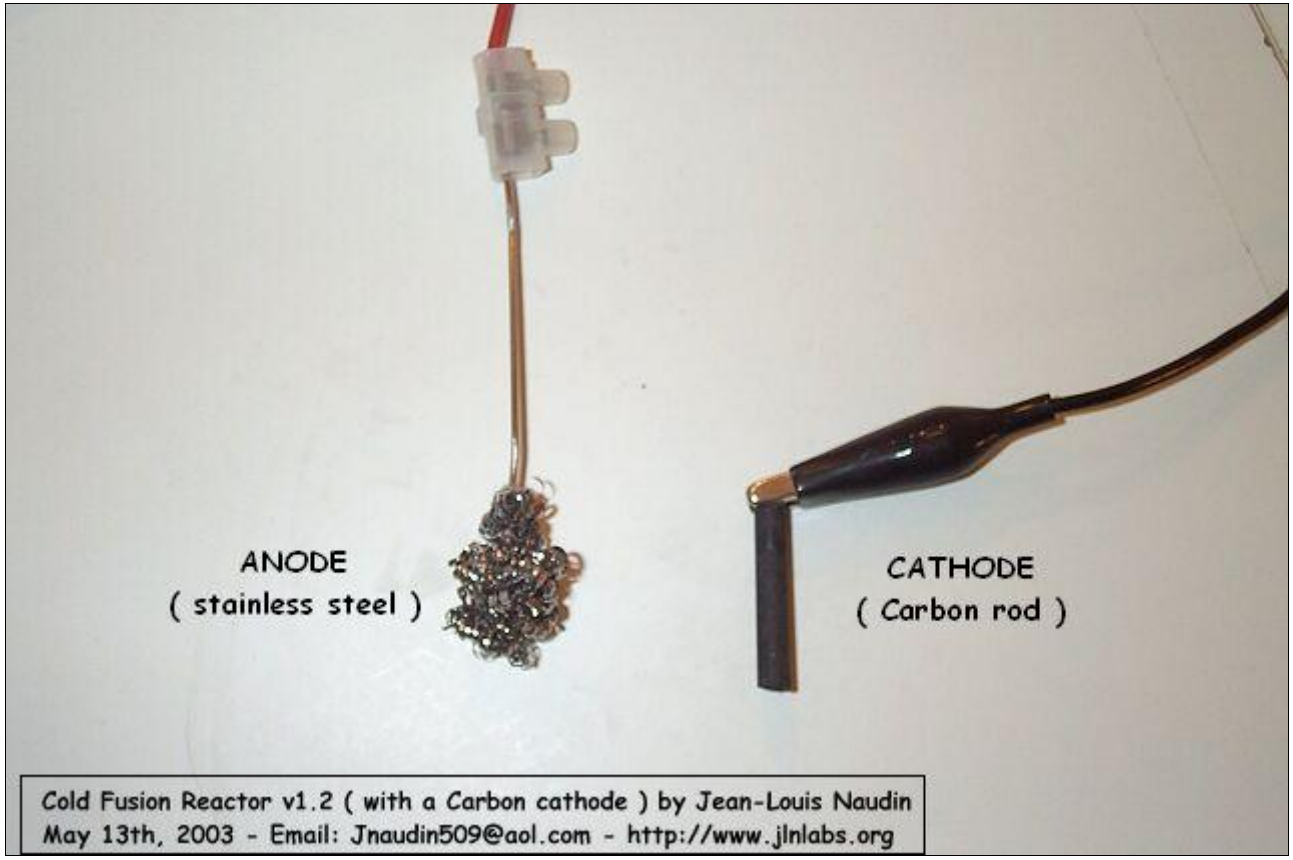
*created on May 8, 2003 - **JLN Labs** - Last update May 14, 2003*

The *Cold Fusion Reactor* **(CFR)** principle can be used for producing a *BingoFuel* gas ($CO\text{-}H_2$). In the previous tests of the Cold Fusion Reactor, we have seen that the cathode is subjected to a very strong (in excess) heat produced by the plasma electrolysis under water. The small tungsten cathode has been melted in most of cases. So, this strong heat generated in the CFR can be used for generating some *BingoFuel* gas ($CO\text{-}H_2$) by the decomposition of the carbon underwater. This simple experiment, that you can conduct yourself, will demonstrate that a *BingoFuel* gas can be produced very easily (*)... The *BingoFuel* is a synthetic gas which can be used as fuel for an internal combustion engine....

(*) Disclaimer : The author assumes no liability for any incidental, consequential or other liability from the use of this information. All risks and damages, incidental or otherwise, arising from the use or misuse of the information contained herein are entirely the responsibility of the user. Although careful precaution has been taken in the preparation of this material. **Be Carefull,** you must conduct this test in **a well ventiled room or better in open air**, you must not smoke during the test. **This experiment is not intended for the inexperienced.** User of this document should be very carefull to try anything out ! If you do it, the risk of any results is just yours. I take no responsibility of anything that might happen, let it be of a wrong information or anything else.

1 - Proof of concept experiment - Description :

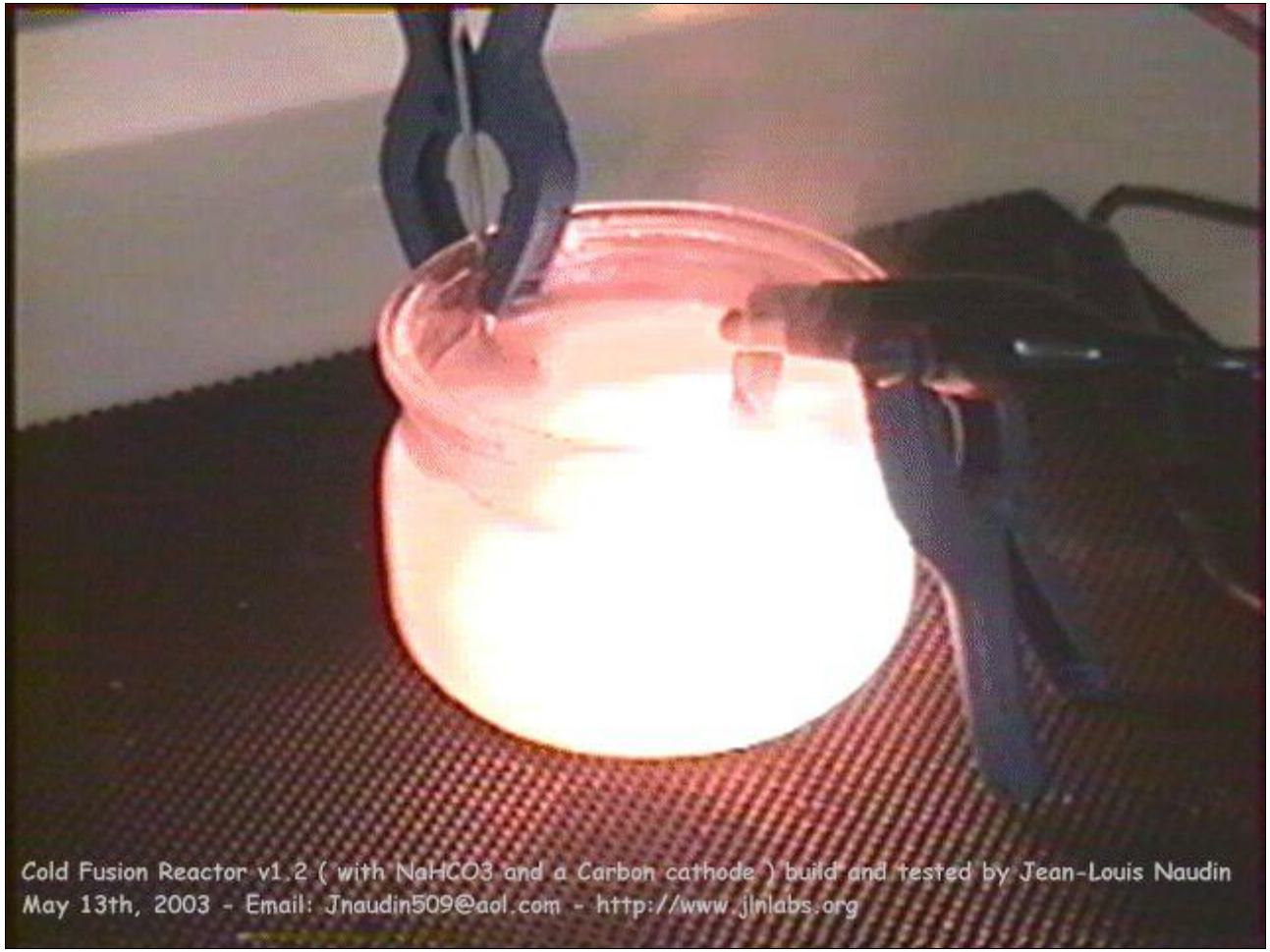


The Cathode used is a simple **carbon rod** and the Anode used is composed of stainless steel mesh maintained with a stainless steel shaft.

You will find the required carbon rod in any rectangular 4.5 V Zinc-Carbon battery.

The small glass vessel is filled with water and a small spoonfull of Sodium Hydrogenocarbonate ($NaHCO_3$)
The Sodium Hydrogenocarbonate ($NaHCO_3$) or baking soda is commonly named in France " *Bicarbonate de Soude* ".

When the power supply is switched on (about **160 V DC at 4 A**), the Carbon rod glows very brightly and a great amount of *BingoFuel* gas is produced...



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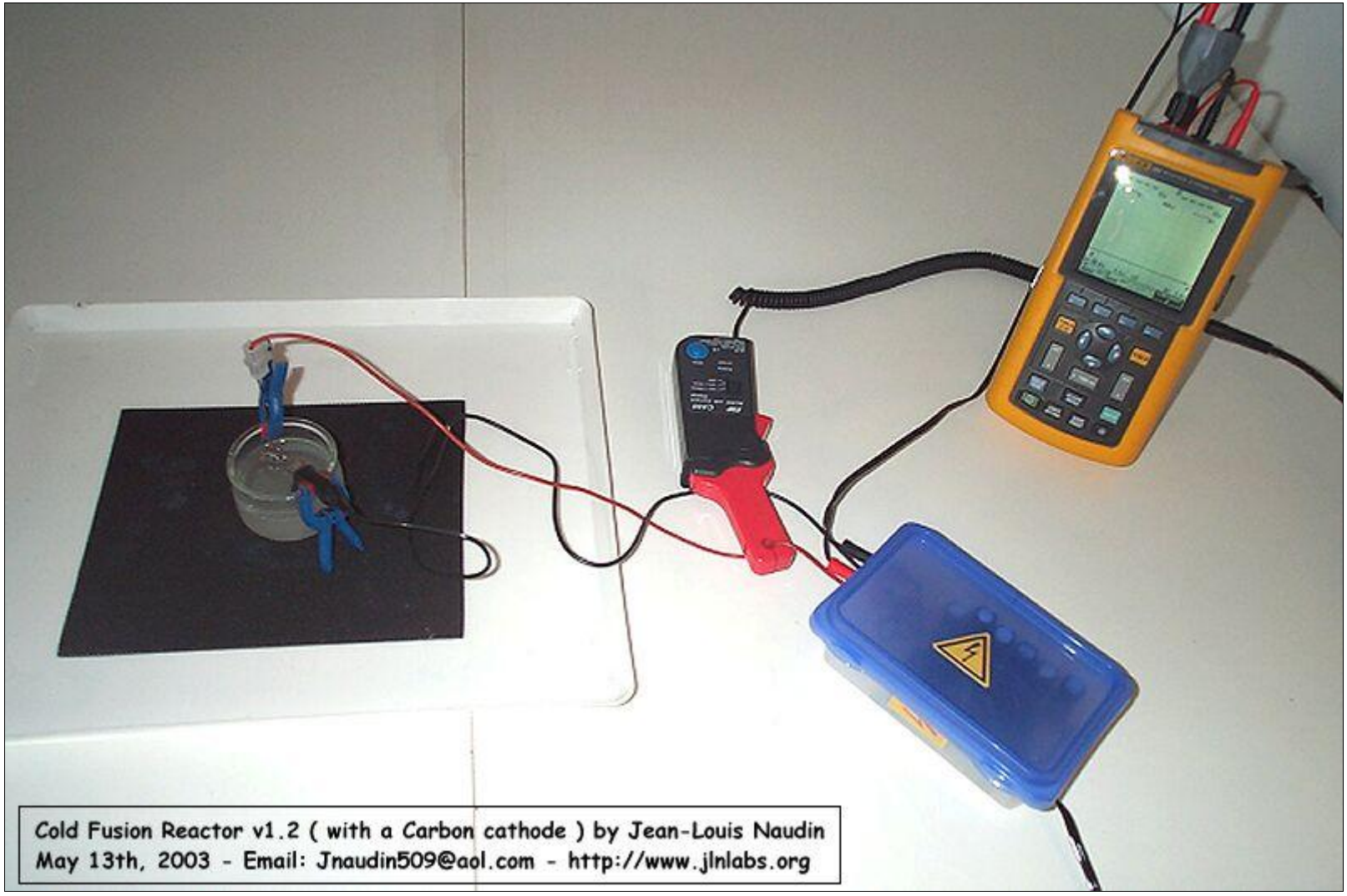
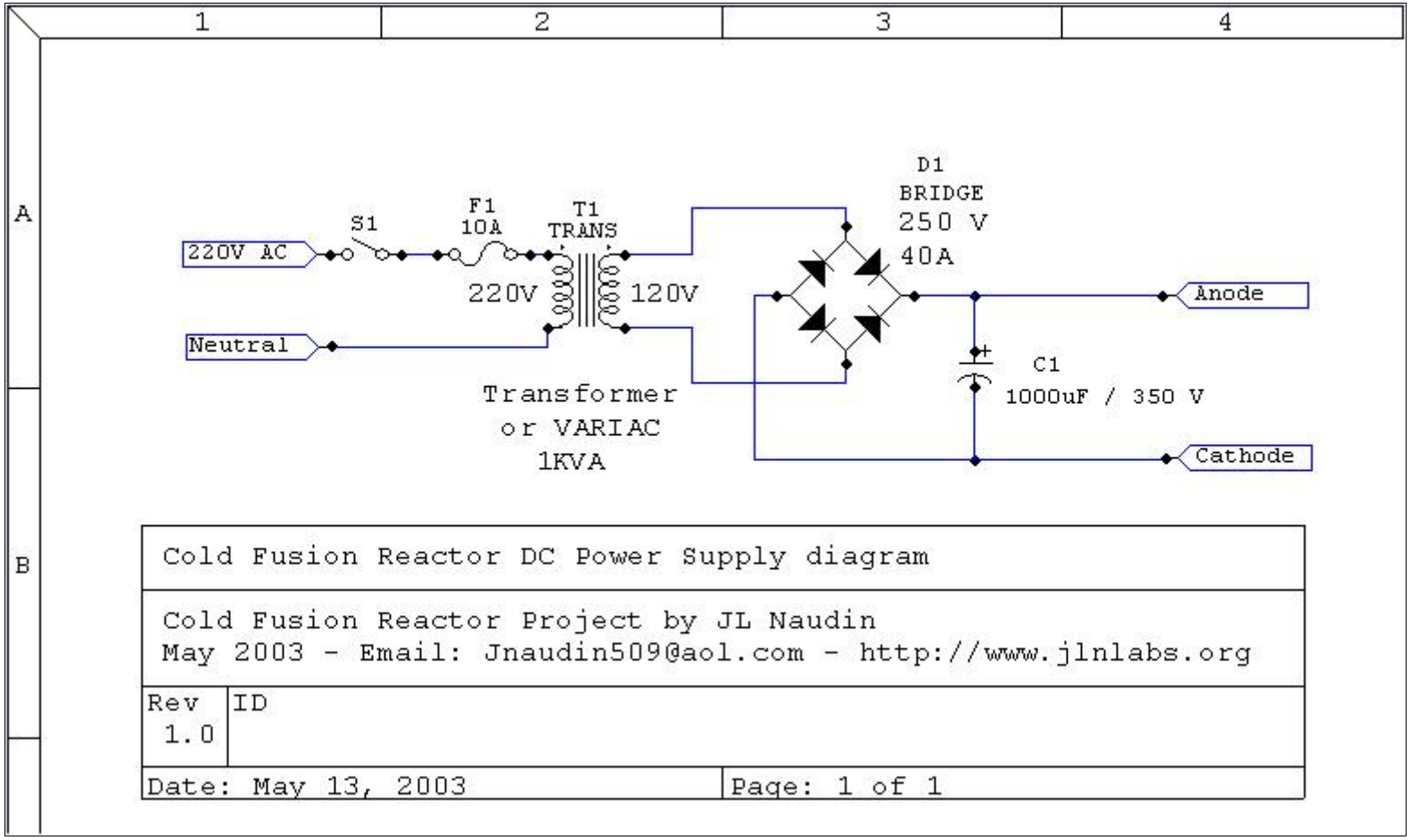
2 - Experimental test setup :



The *CFR v1.2* is powered with a DC voltage through a bridge rectifier connected to an isolation transformer. The voltage input has been measured with a digital oscilloscope Fluke 123 with a Shielded Test Lead STL 120 (1:1, 1 Mohms/225 pF). The current input has been measured with a current clamp CIE Model CA-60A (Accuracy DC Amps ±1.5%, AC Amps±2% (40Hz-2kHz), AC Amps±4%(2kHz-10kHz), AC Amps±6%(10kHz-20kHz)).



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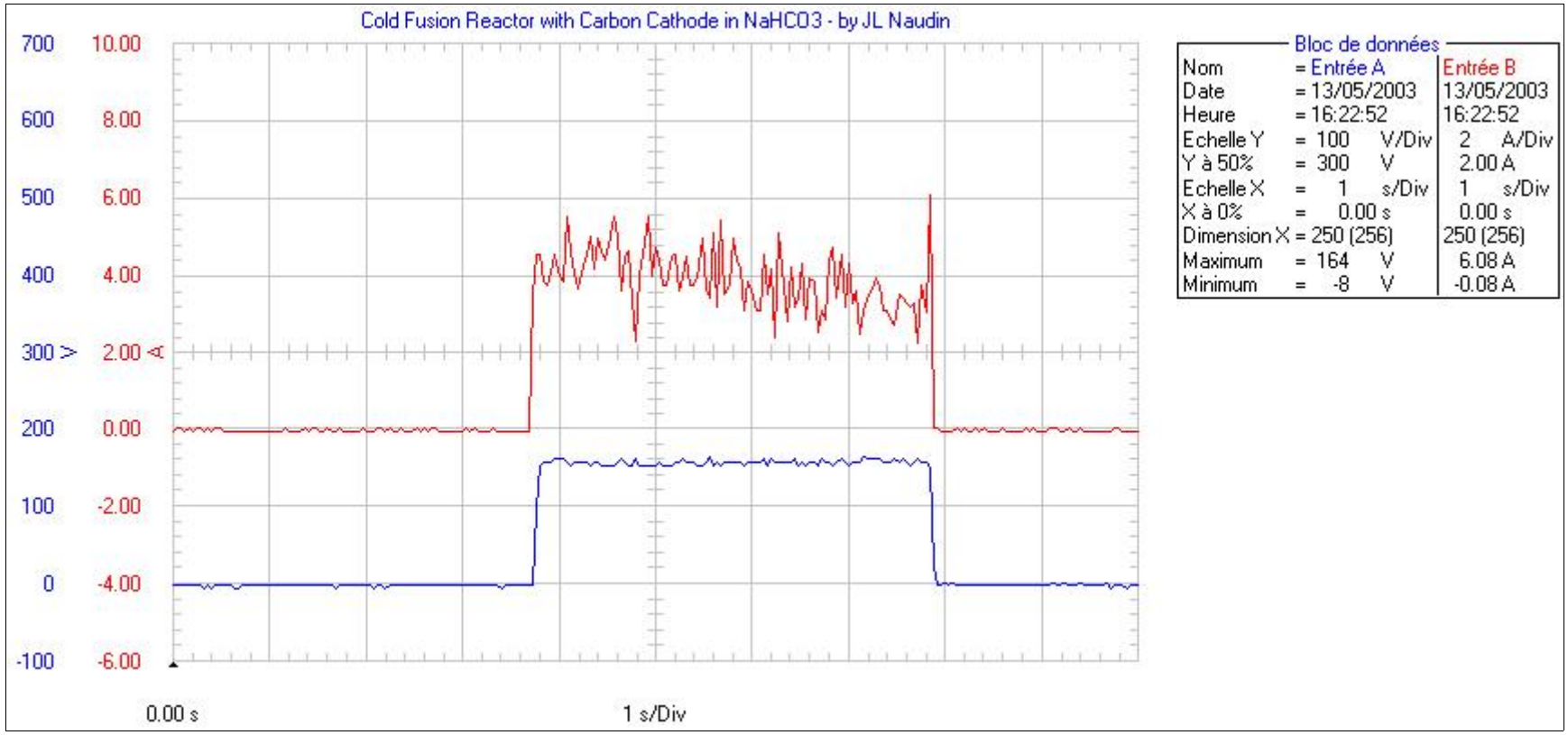
3 - Tests results :



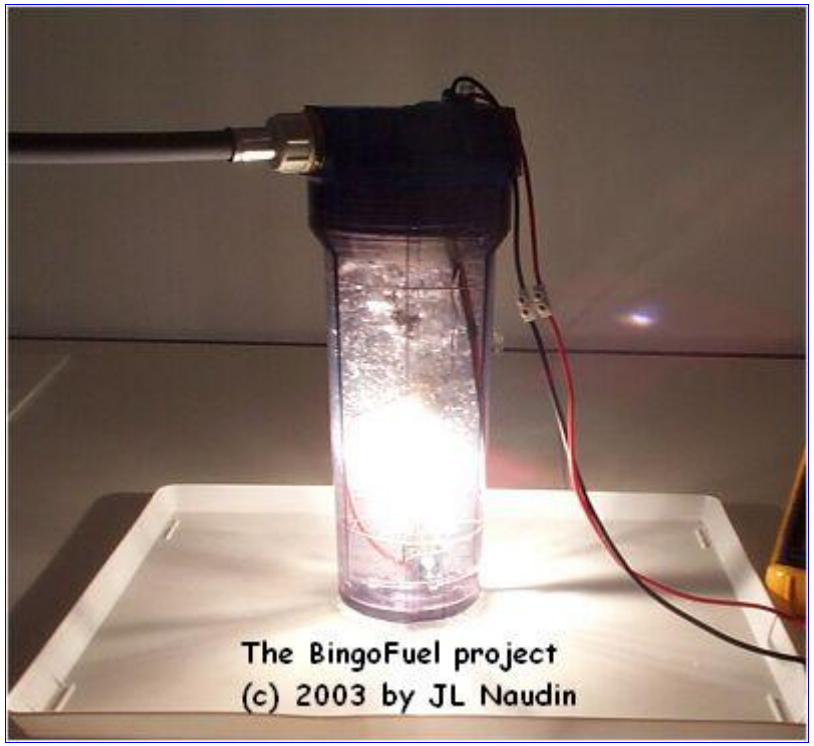
Animated video of the CFR v1.2 in action

Video of the *BingoFuel* production with the CFR v1.2

Click on the picture above to see the video (795 Kb)

Notes from Jean-Louis Naudin : This very simple proof of concept experiment shows that the excess heat generated in the Cold Fusion Reactor can be used directly to decompose the carbon underwater. This converts tap water and carbon into a synthetic gas which can be used as fuel for an internal combustion engine....

See also :



The *BingoFuel Project*

The *Cold Fusion Reactor* v1.1

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