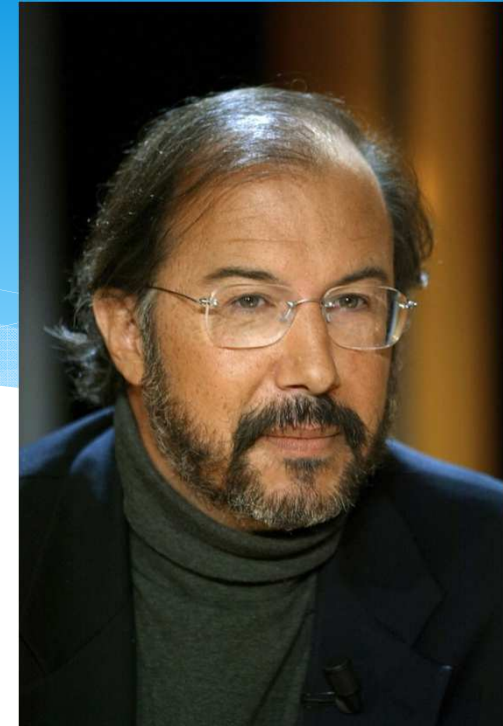


In the memory of Jean Jacques Lefrère Passive immunotherapy for AIDS

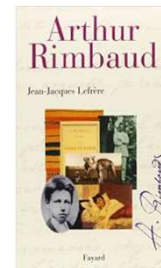
Farhad Heshmati
MD, PhD
WAA/SFH joint congress
Paris, April 27-29 2016

Doctor Jean Jacques Lefrère
Hematologist, Researcher



And

Mister Lefrère
Writer



Jean Jacques Lefrère

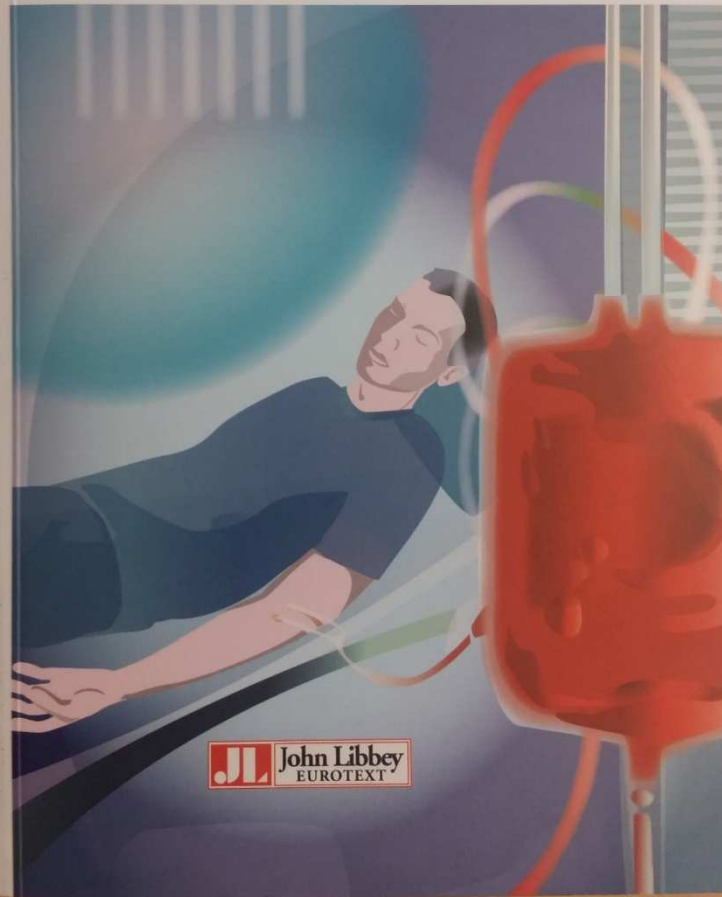
- * Professor of Hematology at the Paris Descartes University
- * Director of the National Institute of Blood Transfusion
- * National expert in transfusion and transfusion security, prions, viruses, transmissible agents by blood transfusion,
- * More than 300 papers in international reviews
- * Many medical books
 - * **use of the blood components**
 - * **transfusion in Hematology**



médecine
sciences
JL
Sélection

Transfusion en hématologie

Coordonné par Jean-Jacques Lefrère et Jean-François Schved



JL John Libbey
EUROTEXT



5





He was a pioneer of Passive Immunotherapy in AIDS

Plasma therapy against infectious pathogens, as of yesterday, today and tomorrow

O. Garraud , F. Heshmati , B. Pozzetto , F. Lefrere , R. Girot , A. Saillol , S. Laperche

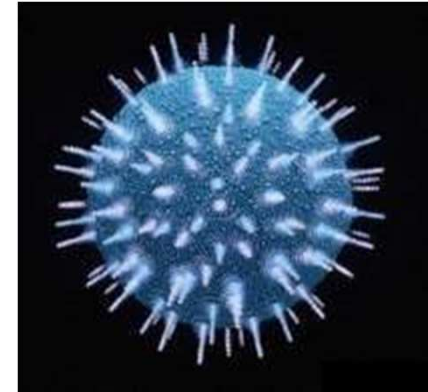
Transfusion Clinique et Biologique, Vol 23, N° 1, 39-44, Fev 2016



- * Plasma therapy consists in the transfusion of plasma to patients generally suffering from a severe infection, in the absence of curative treatment.
- * Plasma is obtained from:
 - * either voluntary healthy immunized individuals
 - * or convalescent persons
- * Plasma therapy has been used since the Spanish flu in 1917–1918, and then regularly when viral epidemics threatened vulnerable populations, the last reported occurrence being the 2013–2015 Ebola virus outbreak in West Africa.

HIV Global Pandemia

- * In the 1980th decade, a terrible and lethal viral epidemic appeared : AIDS epidemic
- * We learned soon that:
 - * It is due to a virus (1984)
 - * The serological screening is possible (1985)
 - * The progression is slow
 - * Terminal issue is always lethal
 - * There is no efficient vaccine (until now)
 - * No efficient treatment
 - * First anti-retroviral drug, Zidovudine (1987)
 - * In 1999 (WHO): AIDS was the 4th main cause of death worldwide and number one killer in Africa. 14 millions people had died from AIDS since the start of the epidemic.



Courageous idea for passive Immunotherapy for AIDS

- * The only available drug was Zidovudine (1987)
 - * Its efficiency was limited by time
 - * Responsible of the emergence of resistant viruses
 - * Issue was lethal
- * Decrease and vanishing of anti P24 Ab was accompanied by the progression of the disease (Alesi -1989).
- * The idea for using the plasma Ab for terminal-phase patients by J.J. Lefrère and D. Vittecoq was proposed

Proc. Natl. Acad. Sci. USA
Vol. 92, pp. 1195-1199, February 1995

**Passive immunotherapy in AIDS : A
double-blind randomized study based
on transfusions of plasma rich in
anti-human Immunodeficiency virus 1
antibodies vs transfusions of
seronegative plasma**

D. Vittecoq, F. Heshmati J.J. Lefrère

IP002 from 1990

- * Randomized double-blind controlled trial
- * 86 symptomatic patients randomized to receive plasma rich in anti-HIV1 Ab or standard seronegative plasma
- * 300 ml plasma perfusion every 14 days for 1 year and then every 28 days
- * Zidovudine and other conventional prophylactic treatments were associated

Donor selection

- * Plasma donors were selected among symptomless seropositive individuals with $> 400 \times 10^6$ CD4 lymphocytes
- * Negative P24 Ag
- * High anti-P24 concentration
- * Negative for other standard serological screening
- * Plasma were heat-inactivated before infusion (56°C , 30 min)

Results 1

Clinical benefit from passive immunotherapy was observed in:

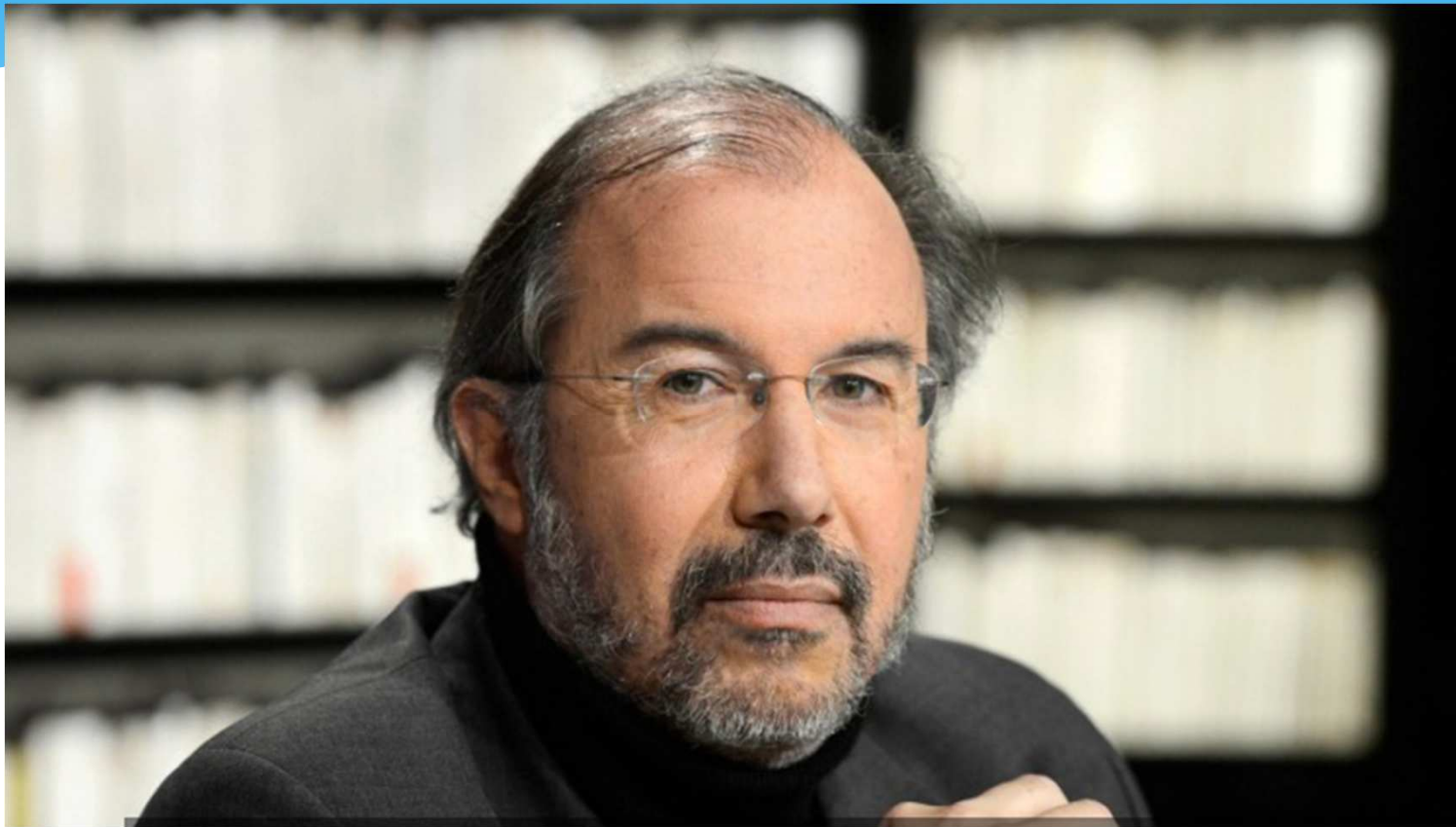
- * Delaying the appearance of first AIDS-defining events ($p < 0,009$)
- * Reducing cumulative incidence of such events (3 fold)
- * 7 deaths in the treatment group vs. 11 in the control group ($p = 0,27$)
- * Less hospitalization

Results 2

- * 47 patients died or exhibited new AIDS-defining event, 18 in the treatment group and 29 in the control group ($p = 0,009$)
- * No clinical benefit after 1 year period
- * No side effects in plasma donors

Doctor Lefrère
during the days of the week
and
Mister Lefrère
literature writer during WE

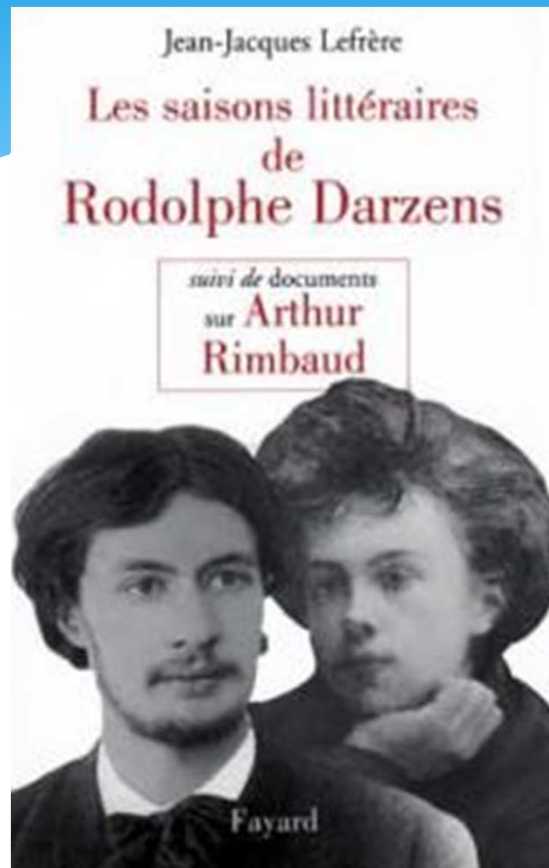






Jean Jacques Lefrèrer Rimbaud's Doctor

- * Biography and 1300 pages of documents on the Poet Rimbaud
- * Anthology of Pia and Caradec
- * Books on Lautréamont and Laforgue



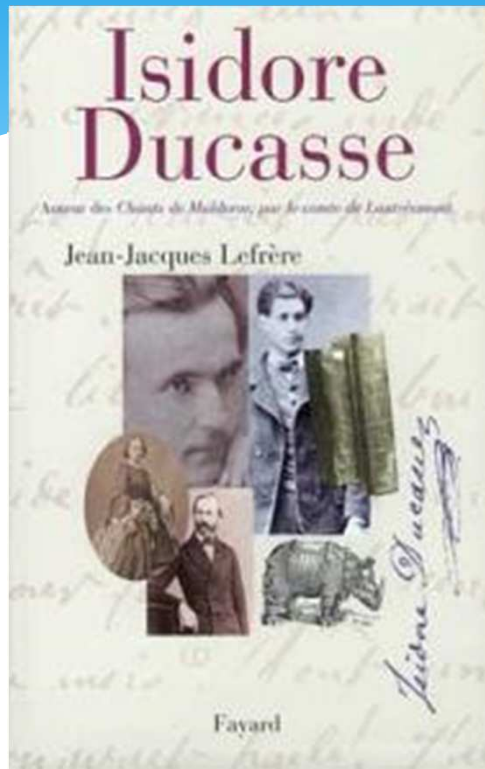
Les Saisons littéraires de Rodolphe Darzens suivi de Documents sur Arthur Rimbaud

Jean-Jacques Lefrère

Sciences humaines

Parution :

27/05/1998



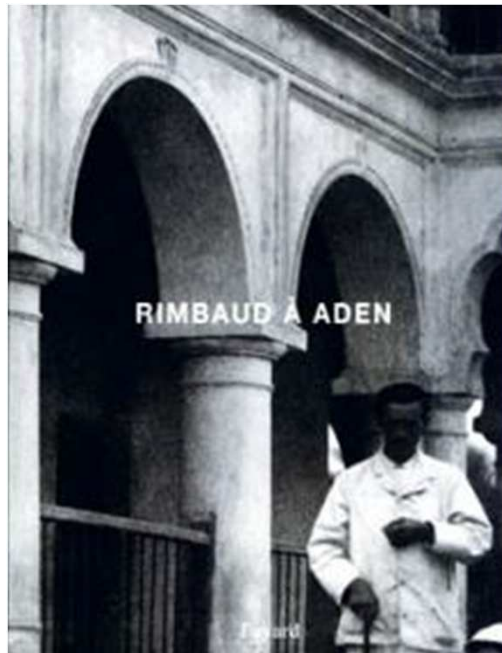
Isidore Ducasse

Jean-Jacques Lefrère

Histoire

Parution :

27/05/1998



Rimbaud à Aden

Jean-Jacques Lefrère

Jean-Hugues Berrou

Pierre Leroy

Histoire

Parution :

03/05/2001



Jules Laforgue

Jean-Jacques Lefrère

2005



Rimbaud au Harar Jean-Jacques Lefrère

Histoire

Parution :

24/04/2002



[Che Guevara, images](#)

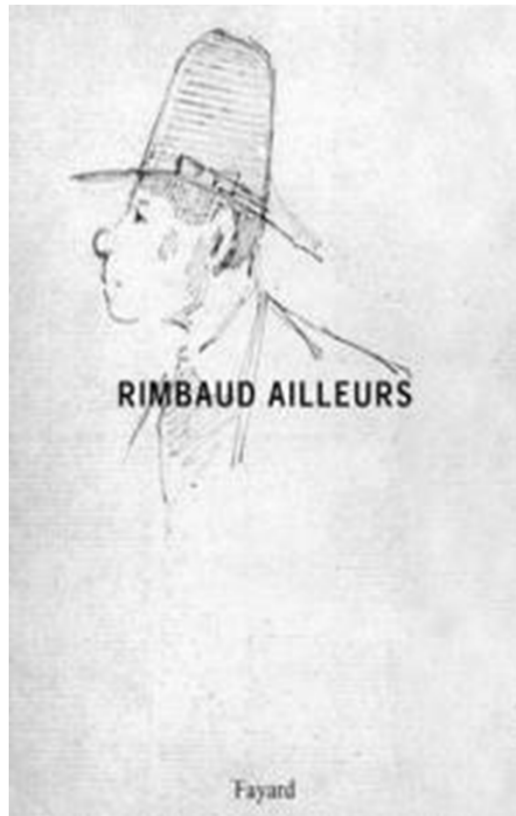
[Jean-Jacques Lefrère](#)

[Jean-Hugues Berrou](#)

Témoignages/Doc/Actu

Parution :

01/10/2003



Rimbaud ailleurs

Jean-Jacques Lefrère

Jean-Hugues Berrou

Pierre Leroy

Histoire

Parution :

26/05/2004

Jean-Paul
Goujon

Jean-Jacques
Lefrère

«Ôte-moi d'un doute...»

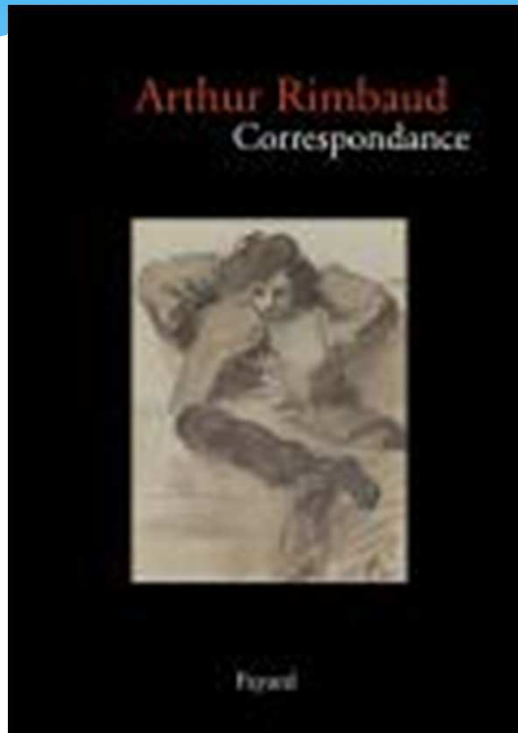


L'énigme Corneille-Molière

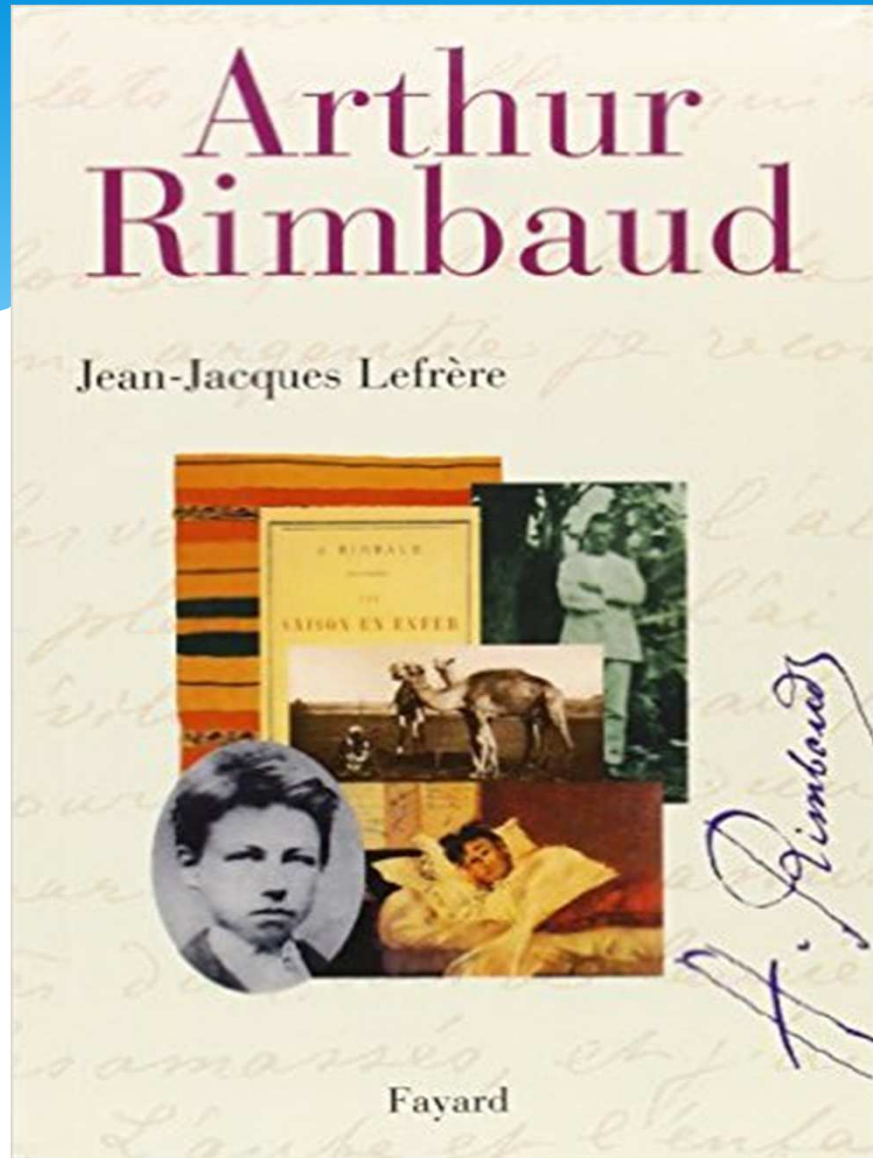
Fayard

Jean-Jacques Lefrère
Jean-Paul Goujon

'Ôte-moi d'un doute..
2006



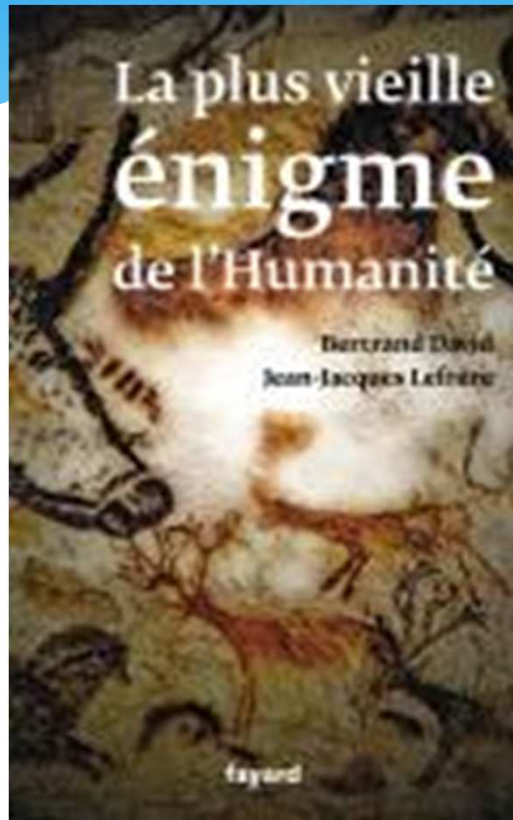
Arthur Rimbaud Correspondance 2007



Arthur Rimbaud
Vol 1 : 2010



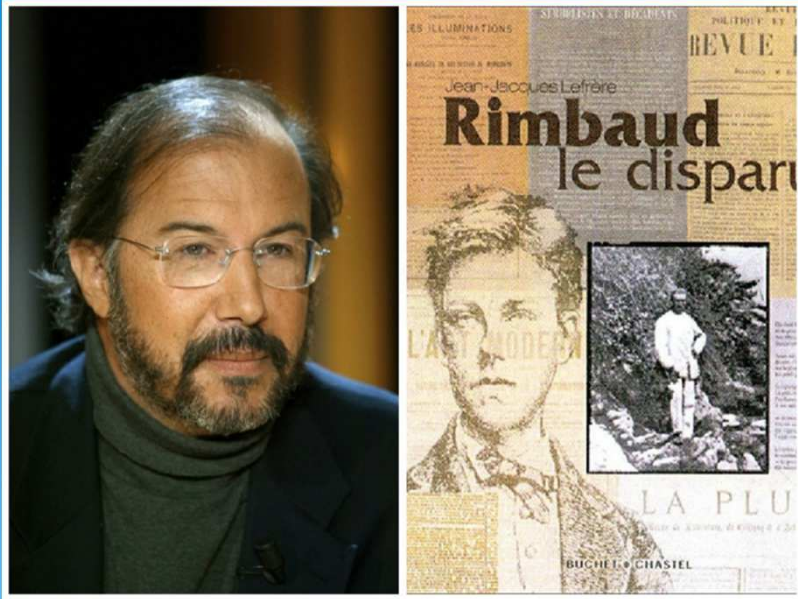
Arthur Rimbaud
Vol 2: 2011



La plus vieille énigme de l'humanité

[Jean-Jacques Lefrère](#)

2013



April 16, 2015

As told Rimbaud: «... l'horloge de la vie s'est arrêtée tout à l'heure. Je ne suis plus au monde...»,
The life clock stopped just now, I'm not here any more

The image features a background of a sunset or sunrise, with a color gradient from dark purple and blue at the top to bright orange and yellow at the bottom. The scene is viewed through a glass surface covered in numerous water droplets of various sizes, which are out of focus and create a bokeh effect. The text "Thank You" is positioned in the bottom-left corner in a white, sans-serif font.

Thank You