

New Perspectives on Cosmic and Earthly Phenomena:

An Overview of Louis-Claude Vincent and Jeanne Rousseau's
Groundbreaking Research and Cosmic Model

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Abstract

This paper revisits the pioneering research of Louis-Claude Vincent and Jeanne Rousseau, who developed an **Electromagnetic Model of the Universe**. Their work explores the connections between cosmic cycles, terrestrial phenomena, and biological rhythms, offering a new paradigm for understanding the dynamic relationship between the cosmos and Earth. By investigating phenomena such as **solar and lunar cycles, geomagnetic phenomena, tides**, and how **living organisms** respond to cosmic changes, Vincent and Rousseau's model challenges many traditional views on solar behavior, proposing that the Sun's activity is influenced by the respective **orbital positions of Earth and the Moon**.

Although they incorporated distant galaxies into their cosmic model as integral components of the universe and potential energy sources for the Milky Way, our solar system, and Earth, **Rousseau and Vincent** focused their research on the nearby universe. They concentrated on well-established facts, along with their own observations and measurements, to uncover how the **Cosmos** influences **Earth, Nature**, and our **daily lives**. Furthermore, through their **Bioelectronic Concept (BEV)**, they linked cosmic electromagnetic forces to biological processes on Earth, offering a holistic view of life and the environment that is both more meaningful and accessible to a wider audience.

This paper also anticipates potential criticisms, addressing the limitations of technology available during their time, and proposes modern methods for refining their theories. Vincent and Rousseau's work provides fertile ground for interdisciplinary research, with the potential to revolutionize fields such as **cosmology, seismology, volcanism, climatology, and biology**.

Introduction

French scientists Louis-Claude Vincent (1906-1988) and Jeanne Rousseau (1910-2012) developed an **electromagnetic model of the universe** that sheds new light on numerous previously unexplained or misunderstood phenomena. Their model addresses issues with direct implications for daily life and challenges inconsistencies in conventional scientific theories, offering transformative potential across multiple disciplines. Their contributions span a wide range of fields, including **astronomy, cosmology, physics, climate science, seismology, volcanology, biology, ecology, hydrology, agriculture, and health**, providing interdisciplinary applications that deepen our understanding of cosmic influences on life on Earth—a fascinating area often overlooked by mainstream science.

A key component of their research is the interpretation of synchronized patterns between **cosmic cycles** and **terrestrial phenomena**, including weather patterns, seismic activity, volcanism, and biological rhythms. These findings suggest that the complex interplay between cosmic forces and Earth's systems is far more profound than previously understood. This paper introduces the core principles of their model, examines the evidence they presented, and explores the potential implications for modern scientific research.

Vincent and Rousseau's work also challenges the **compartmentalization** often seen in contemporary scientific disciplines. By drawing connections across fields such as **geophysics, cosmology, bioelectronics, and biology**, they propose an integrated framework that could transform our understanding of

natural phenomena, from the cyclic influences of the Sun to the processes governing life on Earth.

This paper provides an overview of Vincent and Rousseau's extensive research, offering key evidence to support their groundbreaking claims, while referencing additional works that offer supporting information and a more in-depth exploration of their theories

The Electromagnetic Model

Building on Vincent's bioelectronic concept (BEV), developed in the 1940s for studies of drinking water, food, and the environment, their model emphasizes electromagnetic interactions (Coulombic and electromagnetic rather than gravitational) between various celestial and terrestrial cycles. These cycles include:

- The Milky Way Galaxy's electromagnetic nature.
- The Sun's ~227 million-year orbit around the Galaxy, describing ~22-year spirals with ~11-year half-cycles of inverted North/South magnetic polarity.
- The Earth's orbit around the Sun (seasons).
- While the orientation of the solar-wind-related asymmetric magnetic field relative to Earth remains constant, Earth and its eccentric magnetic field rotate daily around its geographic axis. As a result, each point on the globe traverses an asymmetric electromagnetic field every 24 hours.
- The ~26,000-year precession of the equinoxes.
- The Moon's ~27.3-day orbit around the Earth and the ~29.5-day lunation cycle.
- Synchronicities, planets, comets, and other phenomena related to the solar system.

These dynamic, rotating electric and magnetic fields interact with various systems and processes on Earth, either amplifying or weakening one another depending on their orientation, polarity, and intensity.

Observational Approach

In developing their model, Vincent and Rousseau did not rely on advanced technology like the Hubble or JWST telescopes, giant radio telescopes, or supercomputers. Instead, they focused on observable phenomena on Earth to infer cosmic interactions. They utilized scientific literature and data on sunlight polarization, sunspots, geomagnetism, volcanic and seismic activity, tides, and other natural phenomena. Their primary technical instruments included microscopes and devices for measuring pH, redox potentials (E_h and rH_2), and electrical resistivity (ρ).

Contributions and Implications

Focusing on the connections between the **Cosmos**, **Earth**, and our daily lives, their model, grounded in

classical physics, offers logical explanations for various poorly understood phenomena. Emphasizing observation and measurement over theoretical speculation, many of their findings suggest the need for significant revisions in existing theories. By highlighting cosmic influences on **Nature** and **Life on Earth**, this model addresses:

The role of electromagnetism in cosmic, terrestrial, and life processes.

- Earth atmosphere's key function: transforming invisible, powerful, broad-spectrum solar radiation into a powerful heat and visible light source to make Life on Earth possible.
- Polarization of sunlight and optical phenomena.
- Space asymmetries and anomalies in daily weather patterns (atmospheric pressure, partial atmospheric water pressure, humidity, rainfall, and temperature).
- Oceanic and ionospheric tides and their unexplained synchronicities (e.g., 8-year cycle).
- Origin and nature of the energy fluxes associated with the Perseids and Leonids.
- Geomagnetic storms, auroras, and various light phenomena (parhelia, paraselenes, multiple suns and moons, etc.).
- Biological rhythms, such as chronobiology and Chinese medicine's 24-hour and yearly clocks.
- Cosmic influences on plant, animal and human metabolisms and behavior,
- Climate, geohazards, extreme weather, seismic and volcanic events.
- The origin and nature of sunspot formation and their relation to various natural and societal cycles, influencing and correlating with phenomena such as geomagnetic activity, light polarization, tree growth, parasitism, weed pressure, rainfall and even disease outbreaks, economic activity, and social upheavals.
- Stubborn empirical evidence that challenges established theories about the sun, sunspots, tides, the solar system, and more (refer to examples on pages 4 and 7).
- State-of-the-art measurement, data collection, and processing techniques serve as invaluable allies in easily testing, refining, and extending the model.

Bio-Electronics (BEV) Framework

The Vincent/Rousseau model is closely related to Bioelectronics (BEV), an electrical battery-inspired analytical framework that uses three electromagnetic parameters (pH, rH_2 $\{E_h\}$, and resistivity ρ) to characterize aqueous systems, particularly living environments, and their response to ambient factors and human intervention. This

concept, which integrates living organisms into the analytical loop, is gaining traction in agriculture, plant and animal health, soil and water quality, process control, food quality, and safety.

Anticipated Criticisms and Counterarguments

Criticisms are likely to focus on Vincent and Rousseau's limited access to diverse solar observations, advanced telescopes, and modern analytical tools. These limitations prompt important questions about how contemporary technological advancements have expanded our understanding of the Sun, sunspots, and the Cosmos-Earth interface, and whether they fully account for the observed correlations and synchronicities. However, such objections should ideally serve as a catalyst for constructive dialogue, helping to refine existing theories and offering opportunities to enhance the Vincent-Rousseau model. Ultimately, this could prepare their methodology for a major breakthrough.

Legacy and Future Directions

The holistic vision and paradigm-shifting discoveries of Vincent and Rousseau, though under-appreciated in their time, hold significant relevance today. Their work challenges many established theories, particularly those related to the Sun, sunspot formation, climate¹, tidal forces, and the

Cosmos-Earth interface, calling for a re-evaluation and refinement of these concepts. With the application of modern measurement techniques, computational advancements, and sophisticated modeling tools, their cosmic model's analytical and predictive power can be greatly enhanced. This could open new pathways for understanding the intricate connections between nature, life, and the universe. By offering fresh perspectives and inspiring interdisciplinary research, their contributions have the potential to address key scientific challenges and drive progress in numerous fields. However, in light of recent discoveries, certain elements of their model will undoubtedly require revision and further development.

Translating and Editing the Research

Editing and translating this research requires a dedicated team of scholars and experts. Their commitment is crucial to accurately conveying Vincent and Rousseau's discoveries and making them accessible to a broader audience. This collaborative effort is essential for deepening our understanding of the complex relationships between cosmic and terrestrial phenomena. It ensures that their findings continue to inspire future research and enhance our comprehension of the cosmos, nature, and life.

Ulrich Schreier, 10/2024

Supporting Documents

Husson, O. et al. Soil and plant health in relation to dynamic sustainment of Eh and pH homeostasis:

A review – <https://link.springer.com/article/10.1007/s11104-021-05047-z>

Rousseau, J. (2000). [Cosmic Resonances](#). DOI: 10.5281/zenodo.13734375

Rousseau, J. & Vincent L.-Cl. (1957,1991). - [Solar Radiation and its cycle](#). DOI: 10.5281/zenodo.13734296

Rousseau, J. & Vincent L.-Cl. (1957, 1991). - [The Two Suns Hypothesis](#). DOI: 10.5281/zenodo.13734397

Schreier, U. (2024). [Louis-Claude Vincent's Bio-Electronic Concept \(BEV\)](#). DOI: 10.5281/zenodo.13732638

Schreier, U. (2024). [Sunspots: A Discovery Ahead of Its Time is Awaiting Its Moment](#).

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Schreier, U. (2024). [New Perspectives on Cosmic and Earthly Phenomena](#). DOI: [10.5281/zenodo.13734410](#)

Vincent, L.-Cl. (1976). [The Electromagnetic Foundation of the Universe](#). DOI: 10.5281/zenodo.13732341

Vincent, L.-Cl. (1976). Congress Minutes of "La Société Internationale de la Bioélectronique Vincent (SIBEV)"

Document in French at Association Bioélectronique Vincent (ABE) www.votre-sante-naturelle.fr

[Source documentation in French](#)

[Access point for future publications on these subjects](#)

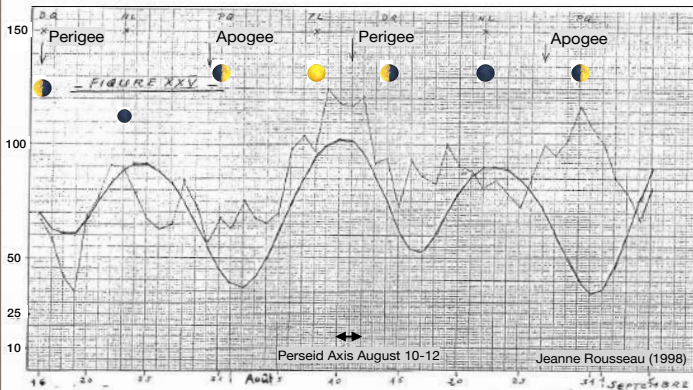
Preprint of First English Edition

¹ Although this is not the primary focus of **Vincent and Rousseau's** work, it is clear that understanding solar and lunar cycles, sunspot formation, geomagnetic phenomena and the Cosmos-Earth interface are critical for advancing climate research.

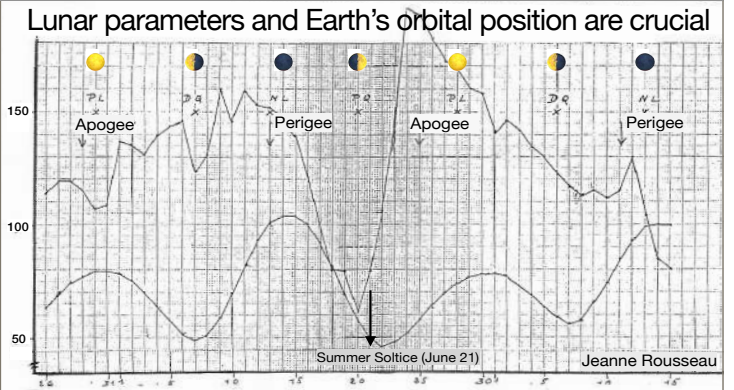
Empirical Evidence Challenges Established Theories About the Sun, Sunspots, Moon, Tides, and the Solar System

(With today's databases and processing tools, generating and analyzing multi-parameter graphs across multiple time periods to look for correlations has become straightforward and has the potential to be automated)

Sunspot Numbers and Tidal Coefficients at the Port of St Nazaire (July-August 1998)

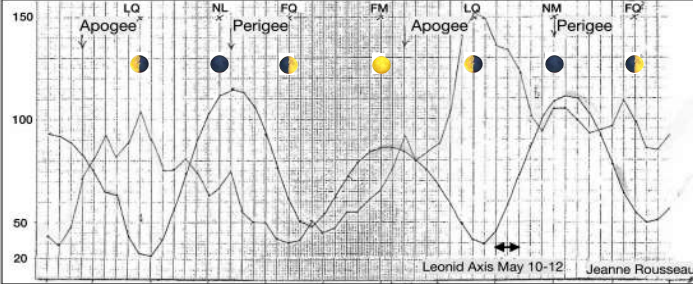


Sunspot Numbers and Tidal Coefficients at the Port of St Nazaire (June-July 1999)

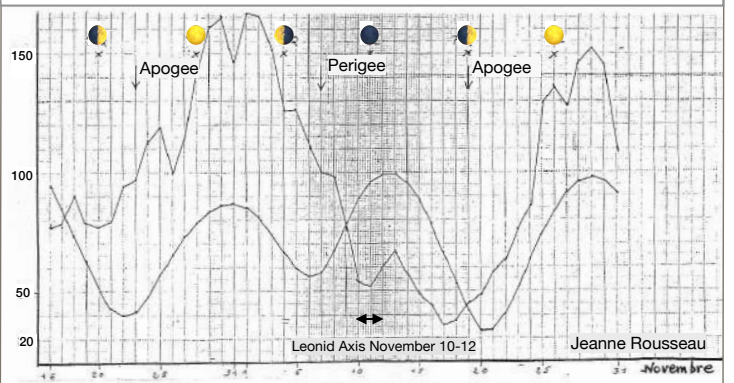


Lunar parameters and Earth's orbital position are crucial

Sunspot Numbers and Tidal Coefficients at the Port of St Nazaire (April - May 1999)

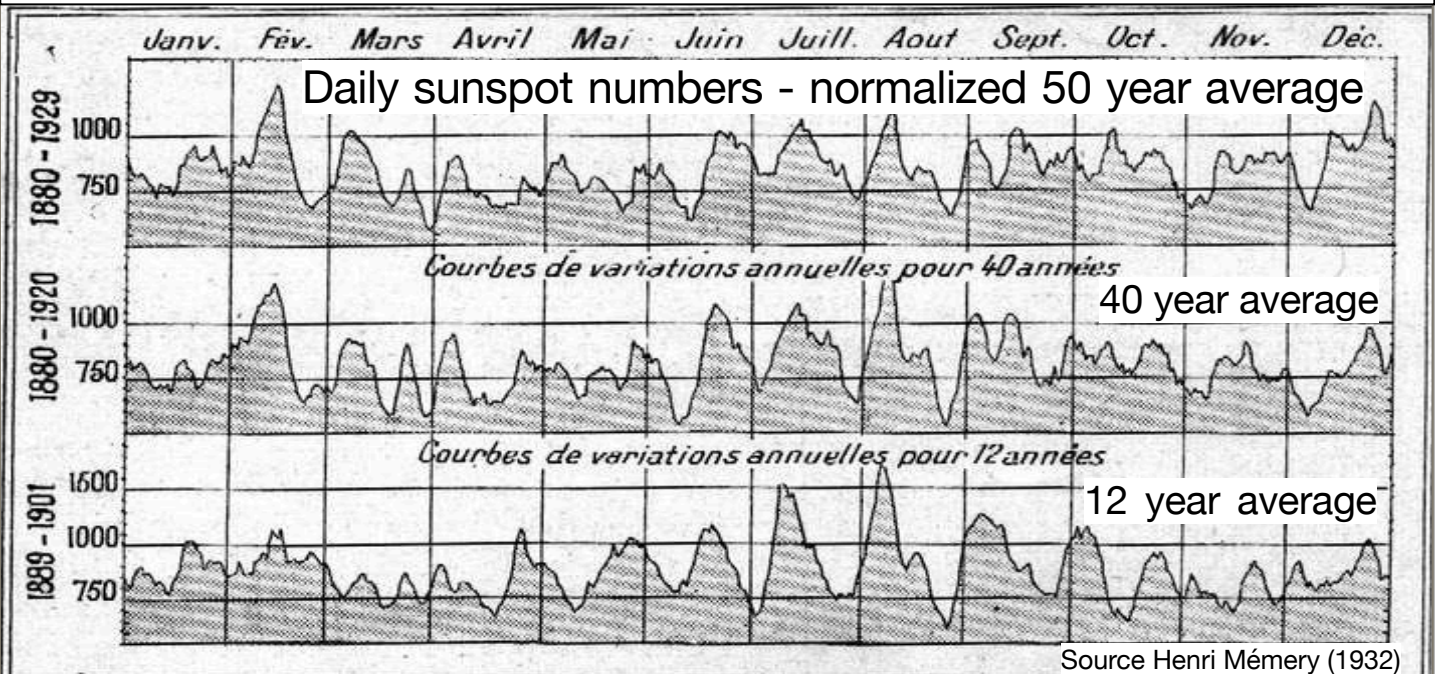


Tidal range and sunspots at the port of St Nazaire (October-November 1999)



The parallels on these graphs - or their absence - appears to be strongly influenced by the relative positioning of the Earth, the Moon, the Sun, and the Milky Way Galaxy.

Averaged Daily Sunspot Counts correlate with Earth's position on its orbit around the Sun

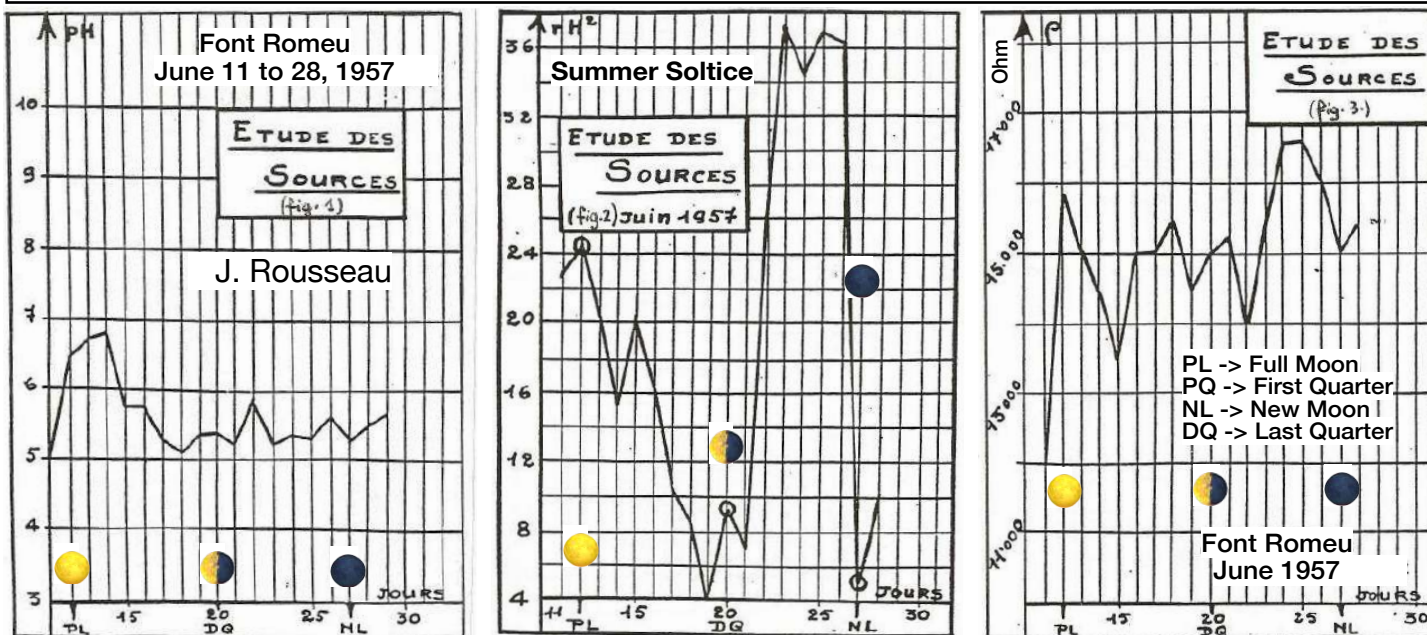


Conclusion: similar to the four sunspot/tidal graphs above, these synchronicities of averaged daily sunspot numbers over many years—starting with the 12-year graph first published around 1903—speak for themselves and suggest that Earth's position in its orbit around the Sun influences the formation of sunspots. *This easily reproducible fact, facilitated by today's computerized tools and numerical databases, presents a significant challenge to the prevailing theories of sunspot formation—and ultimately, our understanding of the Sun itself and the solar system.*

Mémery's findings were dismissed by the Société Astronomique de France on the grounds that the Sun does not adhere to our calendar, and that it was impossible to explain why sunspots reappeared on the same dates each year.

“No amount of experimentation can ever prove me right, but one single experiment can prove me wrong.” – Einstein

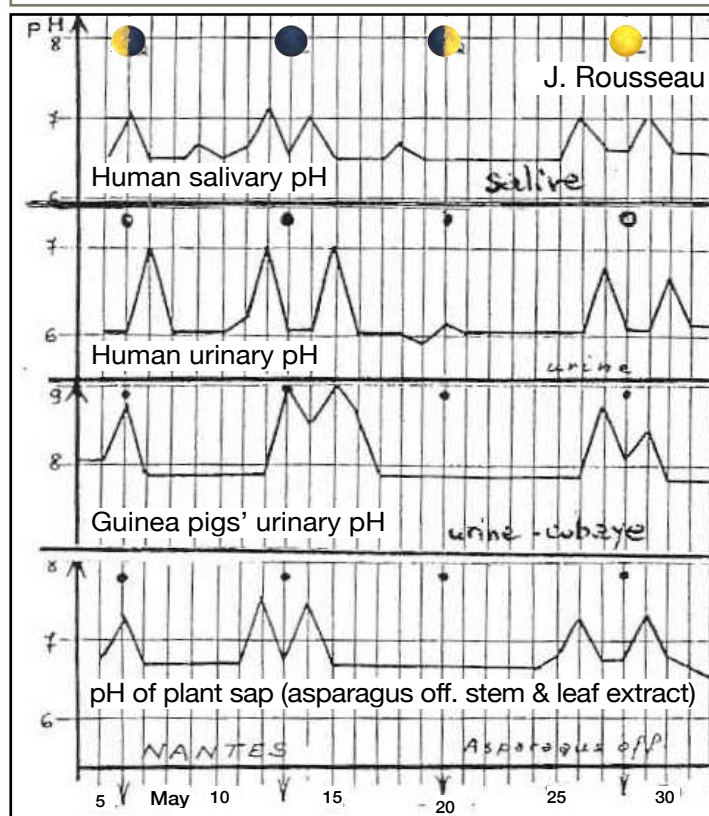
Cosmic Influences on pH, rH₂, and Resistivity of Weakly Mineralized Spring Water



Water from the "Al Ginebre" spring at Font-Romeu, located at an altitude of 1850 m and situated on Cerdagne granite soil, has been sampled at the point of emergence from the rock every morning at 8 a.m. Bioelectronic measurements were taken immediately after sampling.

This spring water, noted for its high electrical resistivity due to low mineral content, is particularly sensitive to electromagnetic changes in the environment. Notably, the rH₂ levels show significant variations, especially during different lunar phases. Furthermore, there is a marked increase in both rH₂ and resistivity around June 22, 23, 24, and 25, which coincides with the summer solstice. This pattern suggests a strong solar influence on the water's properties.

Lunar Influences on Various Biotores (pH of Saliva, Urine and Plant Sap)

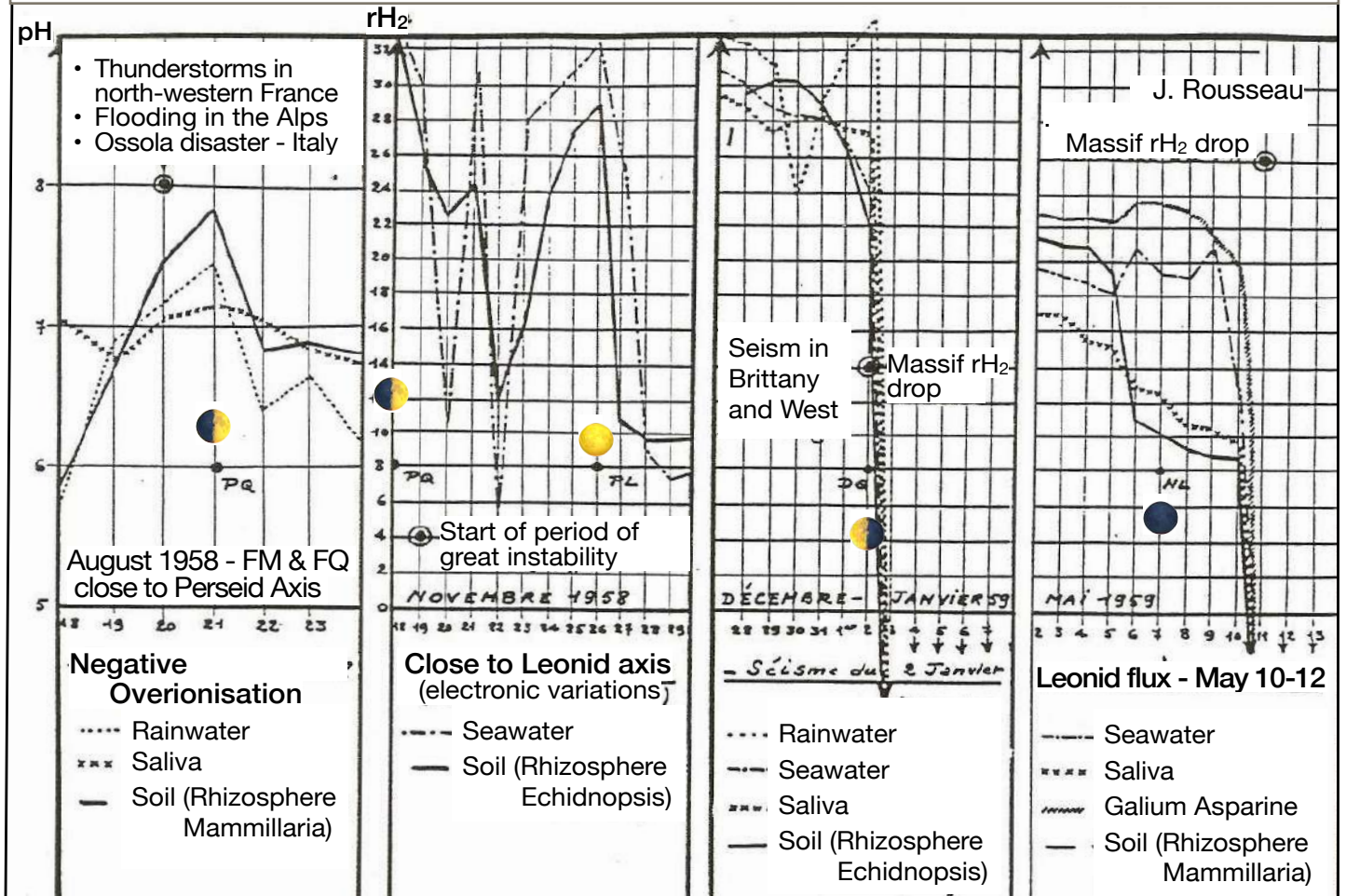


pH variations were compared across different organisms: in humans, both saliva and urine samples were analyzed; in guinea pigs, urine samples were tested; and in plants, a 1/10 trituration was measured in rainwater from an asparagus stem. Despite the diversity of these biotores, clear analogies emerged. Ionic fluctuations related to full and new moon phases typically occurred two days before and one day after the phase, spanning 4 days in total. In contrast, variations during lunar quarters were much weaker, appearing the day before, the day of, or the day after the phase, and could be absent altogether if the quarter aligned with the lunar apogee.

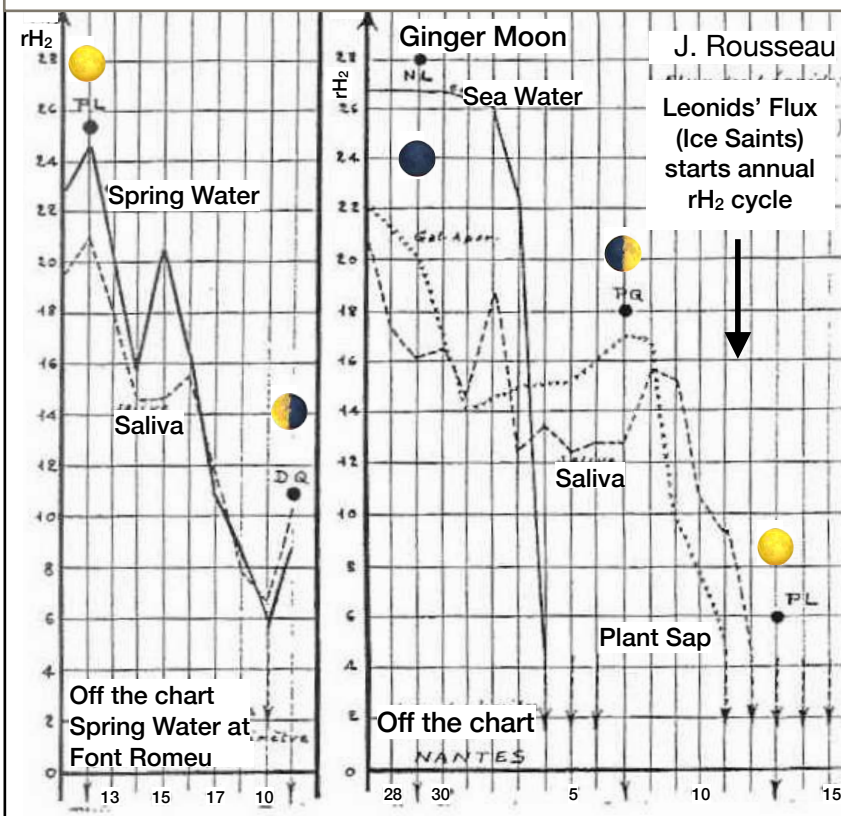
The urinary study of guinea pigs, spanning 10 months with daily microscopic observations, revealed intriguing results. Although their diet remained unchanged, the urine, typically at a pH of around 8, exhibited marked variations. During lunar phases, the pH rose to 9, causing the microbial flora to vanish completely, while an oily film, consisting of dead microorganism residues, formed on the urine's surface. After the pH peak, it returned to 8, and the microbial flora slowly reappeared, only to be eliminated again during the next pH rise.

Conclusion: Cosmic influences, through alterations in the ambient electromagnetic field, affect biological systems at the ionic, molecular, membrane, tissue, and microbial levels. This has profound implications for biology, genetics, biophysics, geobiology, and other disciplines where the dynamics of electrical dipoles and electromagnetic fields are essential to chemical reactions, molecular interactions, and exchanges across electrically charged membranes.

Cosmic configurations and extreme Weather and Seismic Events



Cosmic Influences on Spring-water, Seawater, Saliva and Plant Sap

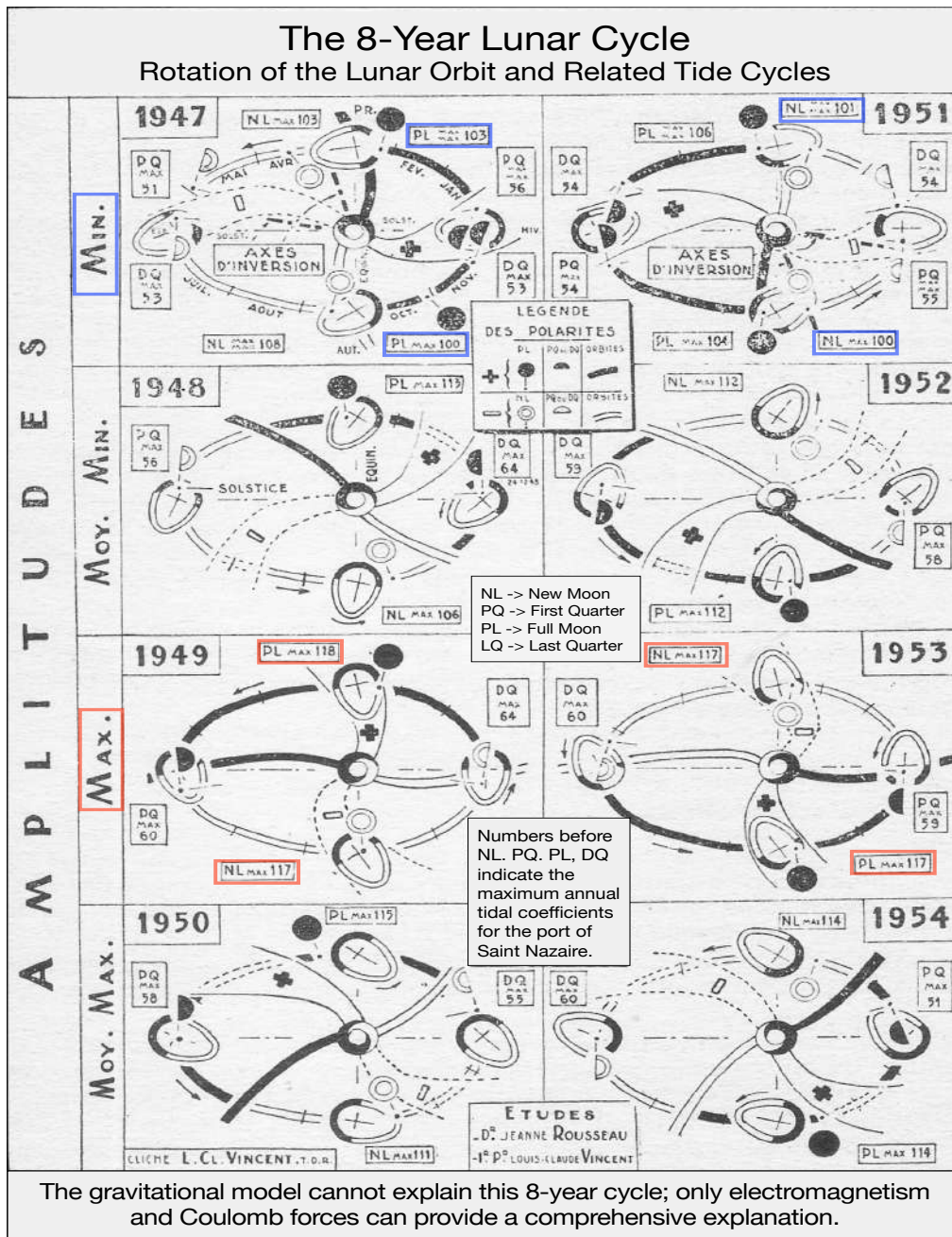


These graphs relate to rH₂ and the year 1957. The graph on the right was recorded in Loire Atlantique and displays the spectacular rH₂ collapse in May 1957. Seawater was first affected, followed a few days later on May 11 and 12, by changes in human saliva and in plant sap (stem trituration at 1/10 in rainwater). Note that in both cases the changes were delayed, which demonstrates the buffering capacity of living organisms no matter what species they belong to. This is a capacity that clearly exceeds the possibilities of non-living elements.

The graph on the left demonstrates the same phenomenon, observed a month later (June) in the Pyrénées Orientales, the altitude (1,800 meters) being the likely cause of the delay; the parallel here concerns spring water taken directly at its emergence point from a rock formation (Cerdagne granite), and once again from human saliva. When comparing these 2 graphs, the stag-

Conclusion: Water and living organisms, bathed in Earth's electromagnetic fields, which are themselves integrated into a cosmic network of swirling electromagnetic vortices, are constantly under the influence of these same ever-moving cosmic forces.

The 8-Year Lunar Cycle Rotation of the Lunar Orbit and Related Tide Cycles



The gravitational model cannot explain this 8-year cycle; only electromagnetism and Coulomb forces can provide a comprehensive explanation.

Advancing Scientific Discovery by Integrating Physical Parameters with Cosmic Influences and the Subtle Dimensions of Nature and Living Organisms

The Vincent-Rousseau holistic approach offers transformative visions for science, advocating for a broader view of reality that integrates not only material and physical aspects but also the complex cosmic environment and the subtle dimensions of life. This approach spans from microorganisms and plants to the consciousness of humans, encouraging a more inclusive understanding of life's intricacies.

By merging conventional scientific tools with an exploration of life's dynamic and creative forces, this comprehensive methodology has the potential to ignite a new inter-disciplinary research paradigm. Such a shift could lead to breakthroughs across fields like biology, ecology, cosmology, and beyond, pushing the boundaries of current methodologies and expanding the scope of scientific inquiry.

Recognizing the full spectrum of existence—from the tangible to the subtle—this approach has the potential to revolutionize our understanding of Life and the Universe. It fosters innovations that balance empirical, physical instruments with the more nuanced, often overlooked forces influencing living organisms and our daily lives.

In essence, this vision points to a future where science not only decodes the mechanisms of life but also embraces its deeper, more mysterious dimensions, providing a more holistic and comprehensive understanding of the universe and its governing forces. It envisions a science that is both more meaningful and accessible to a broader audience.

Editorial addition