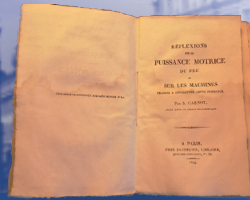


Carnotlille 2024

11-13 SEPTEMBER 2024

IEMN, UNIVERSITY OF LILLE,
CAMPUS SCIENCE AND TECHNOLOGY



www.carnotlille2024.com

Chairperson & Contact: Prof. Raffaele Pisano
raffaele.pisano@univ-lille.fr

Celebration of 200 years since Sadi Carnot
Réflexions sur la puissance motrice du Feu, 1824-2024



HOPAST

History of Physics and Applied Sciences & Technology
Inquiring Historical Foundations of Sciences, Methods and Scientific Thought



Université de Lille



ACADÉMIE DES SCIENCES
INSTITUT DE FRANCE



Université de Lille | Culture, Patrimoine scientifique



LILLIAD
LEARNING CENTER
INNOVATION



Lill^onum
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ACADÉMIE FRANÇOIS BOURDON



Permanent Commission for the History of Mechanism and Machine Science



SABIX
Société des amis du musée de la bibliothèque et de l'histoire de l'École polytechnique



Société Française d'histoire de la Chimie

Studia Historiae Scientiarum

transversal
International Journal for the Historiography of Science



LaM²CU³BE
Laboratoire de mécanique, multiphysique, multiéchelle



DIPARTIMENTO DI STUDI UMANISTICI E DEL PATRIMONIO CULTURALE



VSMAT
société de mathématiques appliquées et industrielles



Deutsches Zentrum für Luft- und Raumfahrt
German Aerospace Center



Nicolas-Léonard-Sadi CARNOT (1796-1832)

By Louis-Léopold BOILLY (1761-1845), realised in 1813.

ABOUT CARNOT LILLE 2024

Raffaele Pisano (University of Lille, France) Two Carnots International Research Project (18th-19th C.)

- Pisano's Two Carnots International Research Project was born in 1990s at the University of Napoli Federico II, Italy. Numerous publications and events followed.
- The aim of this three-day International Colloquium is the Celebration of 200 years since the publication of the Sadi Carnot's *Réflexions sur la puissance motrice du Feu*, 1824–2024. It is hosted by the History of Physics and Applied Science & Technologies Team (HOPAST) at IEMN, France | Institute of Electronics, Microelectronics and Nanotechnology (IEMN), CNRS–University of Lille, France | LILLIAD Learning Center Innovation, University of Lille, France. Patronage by French Académie des sciences and also granted by SabiX, Fondation Carnot et al. In particular the aim is to bring together new research (studies–&–perspectives) from history, mathematics and physics et al. to explore the context of Sadi Carnot and his publication, increasing our understanding of the subject.

THEME

- Celebration of 200 years since the publication of Sadi Carnot's *Réflexions sur la puissance motrice du Feu*, 1824–2024.
- The IEMN Research Centre, LILLIAD venue and all Partners in and of itself supports the theme of the international conference.
- 1824–1974/150th CNRS–Academy of Science–X, Paris, 11–13 Juin) | 1824–2024/200th HOPAST–IEMN, University of Lille, 11–13 September



OUTLINE & AIM

- It is recognized that science is an important component of EU cultural heritage, and provides the most important explanations of the material world. Recently fewer youth seem to be interested in science and technical subjects. Does the problem lie in wider socio-cultural changes, and the ways in which young people in the EU countries now live and wish to shape their lives? How can we ensure knowledge and skills in reasoning-teaching-learning & conceptual frameworks, critical perspectives & theories?
- Carnot Lille 2024 is an International Colloquium to provide a platform for young and senior researchers and specialists, including post-docs, Ph.D candidates, and teachers (from various disciplines) from all around the world, who will be welcomed from both academia and from the school system, to meet and share cutting-edge developments in the field.
- Carnot Lille 2024 aims to improve and innovate scientific, historical/literary/philological and other techniques of investigation of the science of the past, to make history of science and its foundations exciting for theoretical and experimental research.
- Carnot Lille 2024 also aims to create an opportunity for a creative dialogue and an exchange of experiences among representatives of different countries, including previous, new and prospective members of the European Union, as well as overseas communities. It will explore knowledge of the past as well as of present-day, methods, methodologies and theories.

THEMATIC INTENT

- Generally speaking, implications & limits of this non-homogeneous framework for thinking about science and scientific practice can be explored. Therefore, the theme presents new insights and topics on Carnot, History of Physics/Mathematics (including History and Philosophy of science, Carnot as scientist) as well as on its research methodologies. The theme also deals with changes in human ideas over time within the history of human knowledge, thought and thinkers in certain cultures, lives and historical contexts.
- The historical-scientific research outcomes of this approach deepen our understanding of culture and, in consequence, they may help to integrate culture as a whole – such an approach enabled the creation of Scientific Archives, Museums, and the teaching of History of science in Higher Education on Carnot as a subject.

A SAMPLE OF DISCIPLINARY THEMATIC INTENT

- In 1824, thermodynamics was born by means of Sadi Carnot's *Réflexions sur la puissance motrice du feu* (hereafter *Réflexions*). Sadi Carnot (1796–1832) was one of the most important and ingenious scientists of the 19th century. His book, and last consideration with regard to the theory on gases appeared in quite a short period, ca. three years. In effect, it was an early scientific and filial project of father, Lazare and his son, Sadi. It was a total overturning of the Newtonian paradigm and related physics-mathematics relationship, which was a new theory, which had its origins in physical-engineering practices.
- The book encompasses the novelty of reversibility, for the first time the idea of a cycle in a physical theory, the limit to the efficiency of heat machines (excluding perpetual motion) a theorem demonstrated by an absurdum proof, and new gas laws, et al. Up to date, new historical insights will be discussed.
- His 1824–2024 anniversary is the best occasion: celebrating both Sadi Carnot as scientist and his *Réflexions* by means of selected essays in History of Physics, ranging across the entire field and related, in most instances to the work of Sadi Carnot; also discussing of Sadi Carnot's intellectual matrix and international heritage to encourage a new reflection on the interdisciplinary fields of history of physics and to highlight their own history and identity.
- This international Colloquium and its related Collection book (already contracted with Springer) will bring together cutting-edge writings by leading scholars in the History of Physics and related disciplines in regard to Sadi Carnot, focusing on his work. They will be an accessible avenue to providing an absorbing and revealing read for historians and scientists, particularly physicists and mathematicians alike [Cfr.: Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship*. 2nd ed. Springer; Pisano R, Coopersmith J, Peacke M (2021) *Essay on Machines in General (1786). Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1*. Springer; two more books on Lazare Carnot's Mechanics are pre-print].

SCIENTIFIC COMMITTEE

Carnot Leading & Chairperson Colloquium

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- ASHBOURN Jo, HAPP Centre, University of Oxford, UK
- BARBARESCO Frédéric, THALES, France
- BERTRAND Gilles, Laboratoire Interdisciplinaire Carnot, University of Bourgogne, France
- BATAILLE Xavier, École Nationale de Chimie et Biologie de Paris, France
- BUSSOTTI Paolo, University of Udine, Italy
- CECCARELLI Marco, University of Roma Tor Vergata, Italy
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- CONDE Mauro, Federal University of Minas Gerais, Brazil
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- De SAXCE Géry, University of Lille, France
- DHOMBRES Jean Guy, CAK-CNRS Paris, France
- DOUCHIN Alexis, National Archives France
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- FRIGG Roman, CPNSS, London School of Economics, UK
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- MISSINNE Stefaan, Royal Geographical Society, Austria
- MONTGOMERY Link, Suffolk Boston University, USA
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- PISANO Raffaele, HDR | HOPASTTEAM at IEMN, University of Lille, France
- PLOJ - VIRTIC Mateja, University of Maribor, Slovenia
- ROBARTS Julie, University of Melbourne, Australia
- SCERRI Eric, University of California Los Angeles, USA
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- BERTRAND Gilles, Academie François Bourdon/Lab. Interdisciplinaire Carnot, University of Bourgogne, France
- CARNOT Alix, Olivier, Caroline, Gaëtan & Thierry, Private Carnot Archives, France
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Carnot Leading & Chairperson Colloquium

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- BLANC Benoît, Head of Culture, University of Lille, France
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- SCHRYVE Fanny, IEMN, University of Lille-CNRS, France
- SENEZ Florence, IEMN, University of Lille-CNRS, France

Day 1. Wednesday 11th September 2024

- **11h45-19h00** Daily welcome, registrations/goodies open & help desk
- **11h45-12h45** Uploading files for talks (including successive afternoon regular session) | Colloquium computer workplace only
- **13h00-19h00** Daily permanent session : Posters & Exhibits

• Plenary Sessionw: 12h50-14h00 | Official opening & Greetings three day Carnot Lille 2024 Conference welcome ceremony. Chairperson: Carnot leading Raffaele PISANO (HOPAST at IEMN, France)

- **12h50 - 13h00** | Dr. Thierry **MELIN** and Dr. Christophe **DELERUE**, Head of Scientific, Head of IEMN, **France**
- **13h00 - 13h10** | Prof. Franck **DUMEIGNIL**, Vice-President of the University of Lille, **France**
- **13h10 - 13h20** | Chiarissimo Secrétaire Perpétuel Prof. Étienne **GHYS**, **French Académie des Sciences**, **France**
- **13h20 - 13h30** | Mrs. Alix, Mr. Thierry and Mrs. Caroline **CARNOT**, Descendants of Carnot's Family and owner of the Carnot *Château de Presles & its Private Rare Carnots Archive*, Paris, **France**
- **13h30 - 13h40** | Prof. Julien **ROCHE**, Head of LILLIAD, University of Lille, **France**
- **13h40 - 13h50** | Dr. Sequoya **YIAUEKI**, Head of the institut Eric WEIL, University of Lille, **France**
- **13h50 - 14h00** | Mr. François **GERIN**, President of the Société de l'électricité, de l'électronique et des technologies de l'information et de la communication, **France**

• Plenary Session: 14h00-16h45 | Chairperson: Prof. Robert FOX (University of Oxford, UK)

- **14h00 - 14h45** | Mrs Alix and Mr. Olivier **Carnot**, Descendants of Carnot's Family (Paris, **France**) | *Private Rare Carnots Archive*
- **15h00-15h45** | Prof. Antonino **Drago**, Department of Physical Sciences, University of Napoli Federico II, **Italy** | *Lazare Carnot's Mechanics: the Beginning of Group Theory in Science*
- **16h00-16h45** | Prof. Raffaele **Pisano** (HOPAST at IEMN, University of Lille, **France**) | *On Lazare & Sadi, Cycle & Machines: A filial and Scientific Project*



Coffee Break & All Participants Group Photo 1st Call

• Communication Sessio : 17h00-18h45 | Chairperson: Dr. Robert T. HANLON (Massachusetts Institute of Technology, USA)

- **17h00-17h30** | Prof. Ricardo **Lopes Coelho**, History of Physics Unit, University of Lisbon, **Portugal** | *Carnot and the Conservation of Energy*

• **17h30-18h00** | Prof. Armin **Feldhoff**, Institute of Physical Chemistry and Electrochemistry, Hannover Leibniz University, **Germany** | *Carnot's Principle Applied to Thermoelectrics: Dynamics of Entropy, Charge and Energy of Physical Chemistry and Electrochemistry*

• **18h00-18h30** | Dr. Arjan **van Deijk**, Dr. Bill **Xezonakis**, Dr. Casper **Helder**, Unified Energy BV, **The Netherland** | *From Carnot to Clausius*

• **18h30-18h45** | Debate

• Plenary Session: 19h30-22h00 | Chairperson: Dr. Benoit BLANC (University of Lille, France)

- **19h30-21h45** | Carnot Lille 2024 Welcome Cocktail [Private & Free for All Participants] at the Espace Culture, University of Lille, France
- **22h00** | End of the Working Day 1.

Day 2. Thursday 12th September 2024

- **08h30-19h00** Daily welcome, registrations/goodies open & help desk
- **08h15-08h45** Uploading files for Talks (including successive daily session) | Colloquium Computer Workplace only
- **08h30-19h00** Daily permanent session : Posters & Exhibits

• Communication Session: 9h00-10h45 | Chairperson: Mr. Frédéric BARBARESCO, THALES, France

- **9h00-9h30** | Dr. Andre **Thess**, Institute of Engineering Thermodynamics-DLR, University of Stuttgart, **Germany** | *Carnot-Batteries for Large-Scale Electricity Storage*
- **9h30-10h00** | Dr. Manuel **de Leon**, Centre for Automation and Robotics, Spanish National Research Council, **Spain** | *Carnot Theorem for Constrained hybrid Mechanical Systems*
- **10h00-10h30** | Dr. Denis **Bonnelle**, Institut Pierre-Simon-Laplace, Sorbonne Universite, **France** | *Topicality of Carnot's Theorem for the Energy Transition*
- **10h30-10h45** | Debate



Coffee Break

• **Plenary Session: 11h00-12h00 | Chairperson: Prof. Raffaele Pisano (HOPAST at IEMN, University of Lille-CNRS, France)**

• **11h00-11h45** | Prof. Robert **Fox** (University of Oxford, **UK**) | *The Intellectual Environment of Sadi Carnot. A Further Look*

• **11h45-12h00** | Debate



Lunch Break & All Participants Group Photo 2nd Group

• **Plenary Session : 13h30-14h30 | Chairperson: Prof. Jean G. DHOMBRES (CAK-CNRS Paris, France)**

• **13h30-14h15** | Prof. Paolo **Bussotti** (University of Udine, **Italy**) | *Lazare Carnot and Michel Chasles: foundational programmes for geometry*

• **14h15-14h30** | Debate

• **Communication Session: 14h30-16h30 | Chairperson: Prof. Mateja PLOJ-VIRTIC (University of Maribor, Slovenia)**

• **14h30-15h00** | Prof. Montgomery **Link**, Department of Philosophy, Suffolk University in Boston, **USA** | *Thermodynamic Time Asymmetries*

• **15h00-15h30** | Dr. Emanuel **Bertrand**, SPHERE, Université Paris Cité, **France** | *Ilya Prigogine's non-equilibrium thermodynamics as a new synthesis of physics?*

• **15h30-16h00** | Prof. Agamenon **Oliveira**, Polytechnic School of Rio de Janeiro, Federal University of Rio de Janeiro, **Brazil** | *Sadi Carnot and Paradigm Changes in Physics and Economics*

• **16h00-16h45** | Debate



Coffee Break

• **Plenary Session: 17h00-18h00 | Chairperson: Prof. Raffaele PISANO (HOPAST at IEMN, University of Lille-CNRS, France) & Prof. MONTGOMERY Link (Department of Philosophy, Suffolk University in Boston, USA)**

• **17h00-18h00** | Open Roundtable Speakers & Participants. Exploring Changes in How the Histories and Philosophies of the Exact Sciences have been Written: Interpreting the Dynamics of Change in these Sciences and Interrelations Amongst Them—Past Problems, Future Cures (Part Two)

• **Plenary Session: 19h30-22h00 | Chairperson: Prof. Raffaele PISANO (HOPAST at IEMN, University of Lille-CNRS, France)**

• **19h30-21h45** | Carnot Lille 2024 Gala Dinner & Music Live [Private & not Free] at IEMN venue

• **22h00** | End of the Working Day 2.

Day 3. Friday 13th September 2024

• **08h30-19h00** Daily welcome, registrations open/goodies & help desk

• **08h15-08h45** Uploading files for Talks (including successive daily session) | Colloquium Computer Workplace only

• **08h30-19h00** Daily permanent session : Posters & Exhibits

• **Communication Session: 9h00-10h45 | Chairperson: Prof. MONTGOMERY Link (Suffolk University in Boston, USA)**

• **9h00-9h30** | Mr. Frédéric **BARBARESCO**, THALES, **France** | *Symplectic Foliation Model of Sadi Carnot's Thermodynamics: from Carathéodory's seminal idea to Souriau's Lie Groups Thermodynamics*

• **9h30-10h00** | Prof. Fabrizio **CLERI**, IEMN, University of Lille-CNRS, France | *Quantum Heat Machines and Carnot in the 21st century*

• **10h00-10h30** | Mr. Clément **GANDON - MITAI**, Cofap Ifom Nantes, **France** | *The rediscovery of Sadi Carnot by Henry Le CHATELIER (1850-1936), a Forgotten Contribution to Energetics?*

• **10h30-10h45** | Debate



Coffee Break

• **Plenary Session: 11h00-12h00 | Chairperson: Prof. Paolo BUSSOTTI (University of Udine, Italy)**

• **11h00-11h45** | Prof. Jean G. **DHOMBRES**, CAK-CNRS Paris, **France** | *Fourier's Propagation of Heat Hidden Influence On Sadi Carnot's Réflexions : the Question of Infinitesimals in Physics in the Early 19th Century*

• **11h45-12h00** | Debate



Lunch Break & Free Time

• **Communication Session: 14h30-16h45 | Chairperson: Dr. Elisa BELOTTI (University of Bergamo, Italy)**

• **14H30-15H00** | Dr. Robert T. **HANLON**, School of Chemical Engineering Practice, Massachusetts Institute of Technology, **USA** | *Reconsidering the use of Carnot's Heat Engine in Thermodynamics education*

• **15H00-15H30** | Prof. Mateja **PLIJ-VIRTIC**, University of Maribor, **Slovenia** | *The Importance of Conceptual Teaching in Early Technical Education: The Case of Carnot Engine*

• **15H30-16H00** | Dr. Thierry **ALBOUSSIERE**, Laboratoire de Géologie de Lyon - Terre, Planètes, Environnement, Université de Lyon-CNRS/ENS de Lyon, CNRS, **France** | *Using the "Reflexions" to Teach Thermodynamics*

• **16H00-16H30** | Dr. Vincent **LEMORT**, Thermodynamics Laboratory, University of Liège, **Belgium** | *The Role of Experimental Practice in the Rise of Technical Thermodynamics at the University of Liège from 1868 to 1914*

• **16H30-16H45** | Debate



Coffee Break

• **Plenary Session: 17H00-19H30 | Chairpersons: Prof. Raffaele PISANO (HOPAST at IEMN, University of Lille-CNRS, France)**

• **17H00-18H00** | Final Debate, Concluding Remarks & Future Perspectives on Carnot Lille 2024

• **18H15-19H15** | Visiting IEMN - International Leading Center on Nanosciences & Nanotechnologies

• **19H30** | End of Three-Day & Official Closing Carnot Lille 2024 Ceremony



Exhibition & Colloquium

Carnot Lille 2024

11-13 September

IEMN, University of Lille-CNRS
Villeneuve d'Ascq, France

Chairperson: Prof. Raffaele PISANO
Private Carnot Family Château Presles, France
Archives Académie des Sciences, Paris, France
Archives Académie François Bourdon, Le Creusot, France
Archives Bibliothèque d'Agglomération de Saint Omer, France



HOPAST

History of Physics and Applied Sciences & Technology
Inquiring Historical Foundations of Sciences, Methods and Scientific Thought

Source: *Archive Privée de la Famille Carnot, Château de Presles, Cerny, France* | 34 items
 Very kindly Authorized by Mr. Olivier Carnot, Direct Descendant of Carnot Family
 Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project & Leading Carnot Lille 2024

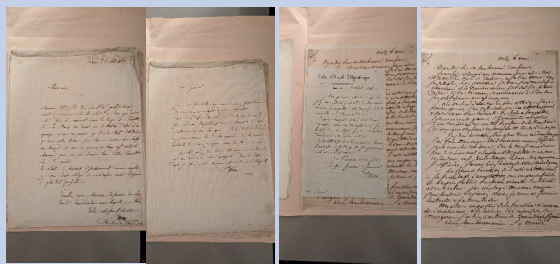


NICOLAS LÉONARD SADI CARNOT (PARIS, 1 JUNE 1796 – IVRY-SUR-SEINE, 24 AUGUST 1832)

Manuscripts Notes on Sadi Carnot's Military Engineering Scholarly at X (1813-1819), 8 folia + 1 folio rv
 Notes manuscrites sur la période d'études d'ingénierie militaire de Sadi Carnot à X (1813-1819), 8 folia + 1 folio rv

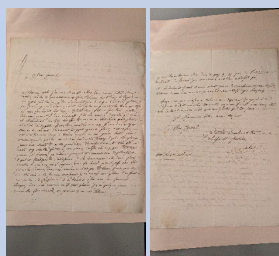
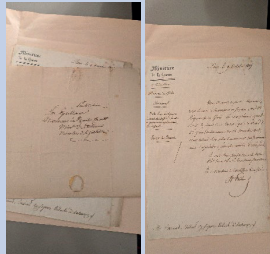


Source: *Archive Privée de la Famille Carnot, Château de Presles, Cerny, France*
 Prof. Raffaele Pisano (University of Lille, France), *Scientific Expert for the Carnot Family Archives & Collection Carnot at the University of Lille*



Recent Refs.

Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
 Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.

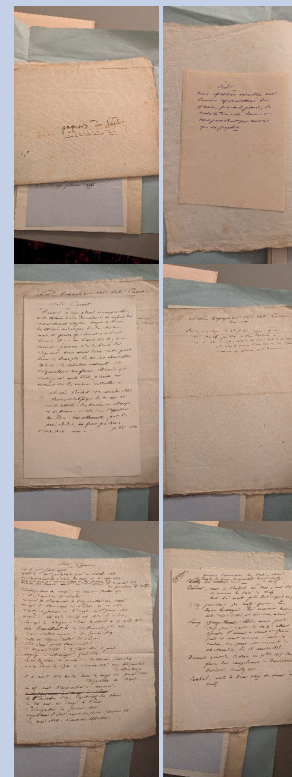


8 folia rv | (de B5/A4) cm
 1 folio rv | (B5/A4) cm

Manuscripts Notes (fl. 1831–1884) on Carnot's Military Engineering Career at X, 13 folia + 1 folio rv

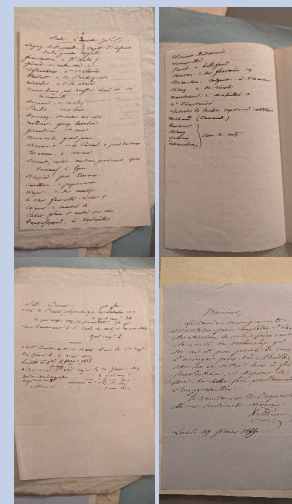
Notes manuscrites (fl. 1831–1884) sur la période de la carrer d'ingénierie militaire de Sadi Carnot à X, 13 folia +1 folio rv

Source: *Archive Privée de la Famille Carnot, Château de Presles, Cerny, France*
 Prof. Raffaele Pisano (University of Lille, France), *Scientific Expert for the Carnot Family Archives & Collection Carnot at the University of Lille*



Recent Refs.

Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
 Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.

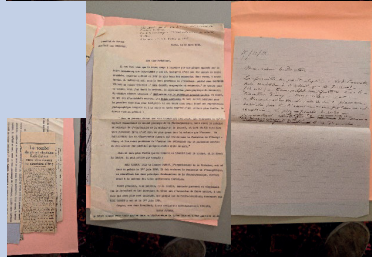
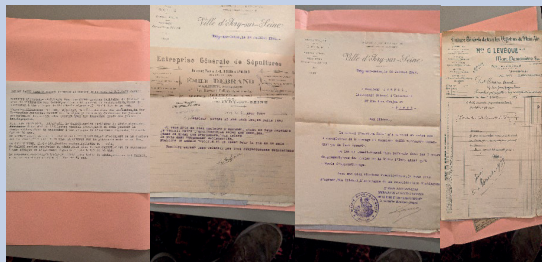


On Cemetery and Necrology of Sadi Carnot's Death (26th of August 1832), 7 folia [1832-1934; s.d.]
Sur le cimetière et la nécrologie de la mort de Sadi Carnot (26 août 1832), 7 folia [1832-1934 ; s.d.]

Source: *Archive Privée de la Famille Carnot, Château de Presles, Cerny, France*
Prof. Raffaele Pisano (University of Lille, France), *Scientific Expert for the Carnot Family Archives & Collection Carnot at the University of Lille*

Recent Refs.

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Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.



7 folia | (B5/A4) cm

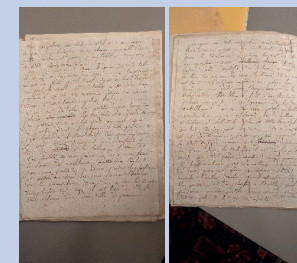
LAZARE HIPPOLYTE CARNOT (SAINT-OMER, 1801 – PARIS 1888) ON SADI

Sadi Carnot's Manuscripts Notes (s.d. fl. 1819-1832), 2 folia
Notes manuscrites de Sadi Carnot's (s.d., fl. 1819-1832), 2 folia

Source: *Archive Privée de la Famille Carnot, Château de Presles, Cerny, France*
Prof. Raffaele Pisano (University of Lille, France), *Scientific Expert for the Carnot Family Archives & Collection Carnot at the University of Lille*

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.



2 folia | (A4) cm

Source: Saint-Omer, Bibliothèque d'Agglomération, Fonds généalogique Violette de Noircarme, dossier « Dupont-Carnot » & 3Fi, France | 11 Items

See also: 1845-1926—Fernand Joseph Hippolyte Violette de Noircarmes, notable de la ville Saint Omer, France

Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project & Leading Carnot Lille 2024



CARNOT FAMILY

Lazare Carnot Married Contract Achieved Information (17th of May 1791)

Lazare Carnot informations extraites de son contrat de mariage (17 Mai 1791)

Source: Saint-Omer, Bibliothèque d'Agglomération, Fonds généalogique Violette de Noircarme, dossier « Dupont-Carnot », pièce n°1.
Other *speculative* info: 1845-1926—Fernand Joseph Hippolyte Violette de Noircarmes, notable de la ville St Omer, France
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

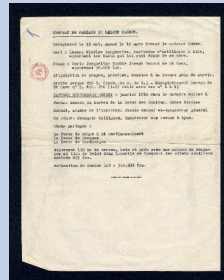
Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786). Text, Translations and Commentaries.* Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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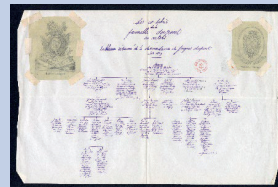
1 out of 101 *folia* about the Genealogical Reconstruction of "Dupont-Carnot" Family (fl. E. 19th- B.20th)

1 des 101 *folia* sur la reconstruction généalogique de la famille « Dupont-Carnot » (fl. Fin 19^e-début 20^e s.)

Source: Saint-Omer, Bibliothèque d'Agglomération, Fonds généalogique Violette de Noircarme, dossier « Dupont-Carnot », pièce n°3.
Other *speculative* info: 1845-1926—Fernand Joseph Hippolyte Violette de Noircarmes, notable de la ville St Omer, France



1 *folio* | (27,3 x 21,4) cm



1 *folio* | (25,5 x 38,5) cm

1 out of 101 *folia* about the Genealogical Reconstruction of « Dupont-Carnot » Family (fl. E. 19th- B.20th)

1 des 101 *folia* sur la reconstruction généalogique de la famille « Dupont-Carnot » (fl. Fin 19^e-début 20^e s.)

Source: Saint-Omer, Bibliothèque d'Agglomération, Fonds généalogique Violette de Noircarme, dossier « Dupont-Carnot », pièce n°7.
Other *speculative* info: 1845-1926—Fernand Joseph Hippolyte Violette de Noircarmes, notable de la ville St Omer, France
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786). Text, Translations and Commentaries.* Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer

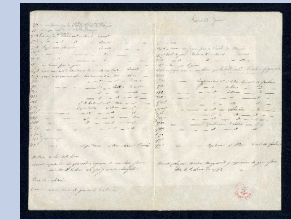
On Lazare Carnot (fl. E. 19th- B.20th)

Sur Lazare Carnot (fl. Fin 19^e-début 20^e s.)

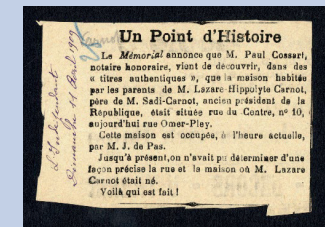
Source: Saint-Omer, Bibliothèque d'Agglomération, Fonds généalogique Violette de Noircarme, dossier « Dupont-Carnot », pièce n°25.
Other *speculative* info: 1845-1926—Fernand Joseph Hippolyte Violette de Noircarmes, notable de la ville St Omer, France
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786). Text, Translations and Commentaries.* Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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1 *folio* | (21,1 x 26,1) cm



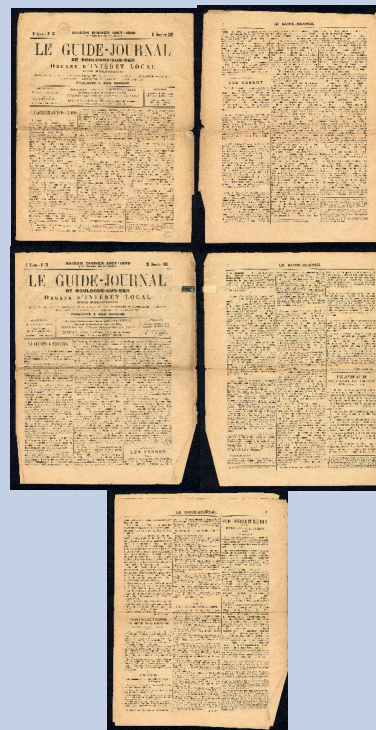
1 *folio* | (6,9 x 9,2) cm

On Carnot Family – Journal (18th of December 1887, pp. 1-2; 25th of December 1887, pp. 1-3)
 Sur la Famille Carnot – Journal (18 Décembre 1887, pp. 1-2 ; 25 Décembre 1887, pp. 1-3)

Source: Saint-Omer, Bibliothèque d'Agglomération, Fonds généalogique Violette de Noircarme, dossier « Dupont-Carnot », pièce n°63 (Journal du 18 décembre 1887)
 Saint-Omer, Bibliothèque d'Agglomération, Fonds généalogique Violette de Noircarme, dossier « Dupont-Carnot », pièce non numérotée (Journal du 25 décembre 1887)
 Other *speculative* info: 1845-1926—*Fernand Joseph Hippolyte Violette de Noircarmes, notable de la ville St Omer, France*
 Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786). Text, Translations and Commentaries.* Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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5 folia

Journal 18th of Dec. 1887 | Closed Journal (32,8 x 25,3) cm
 Open Journal (32,5 x 50,6) cm
 Journal 25th of Dec. 1887 | Closed Journal (32,5 x 25) cm
 Open Journal (32,5 x 50) cm

On *grand Carnot* (fl. E.19th- B.20th)
 Sur le *grand Carnot* (fl. Fin 19e-début 20e s.)

Source: Saint-Omer, Bibliothèque d'Agglomération, Fonds généalogique Violette de Noircarme, dossier « Dupont-Carnot », pièce n°73.
 Other *speculative* info: 1845-1926—*Fernand Joseph Hippolyte Violette de Noircarmes, notable de la ville St Omer, France*

Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader
 Recent Refs.

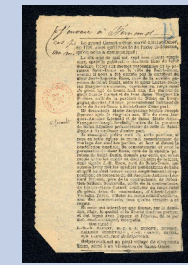
Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786). Text, Translations and Commentaries.* Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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Photo of President Sadi Carnot's visit in Saint-Omer (2nd of June 1889)
 Photographie de la visite du Président Sadi Carnot à Saint-Omer (2 Juin 1889)

Source: Saint-Omer, Bibliothèque d'Agglomération, 3Fi.
 Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786). Text, Translations and Commentaries.* Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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1 folio | (9,2 x 5,2) cm



1 folio (30,9 x 39,6) cm

Source: Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France, France | 14 Items | Very kindly Authorized by Mr Gaëtan Carnot, Direct Descendant of Carnot Family

Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project & Leading Carnot Lille 2024



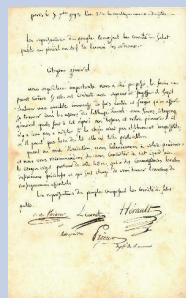
**LAZARE NICOLAS MARGUÉRITE CARNOT
(NOLAY, 13 MAY 1753 – MAGDEBURG, 2 AUGUST 1823)**

Lazare Carnot, Letter of the Public Health Committee, delivered by Lazare Carnot to the General in Chief of the Army in Ardennes, inviting him to take into consideration an amount of flow-iron deposited at the Abbey Orval's Factory (1793), 1 folio r

Lazare Carnot, Lettre du Comité de Salut public, cosignée par Lazare Carnot au général en chef de l'armée des Ardennes, l'invitant à prendre un dépôt de fers coulés présent à l'usine de l'Abbaye d'Orval (1793), 1 folio r

Source: Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader
Recent Refs.

Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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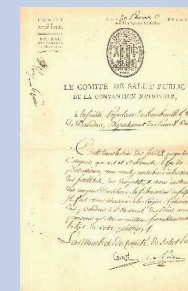
1 folio r | (32x20) cm

Lazare Carnot, Letter of 29th pluviôse Year II of the Public Health Committee, delivered by Lazare Carnot to the Popular Society of Rambouillet (Seine-et-Oise) inviting them to contact the National [Gun-]Powder Authority in order to learn how to make gunpowder from saltpetre (1794) 1 folio r

Lazare Carnot, Lettre du 29 pluviôse An II du Comité de Salut public, cosignée par Lazare Carnot adressée à la Société populaire de Rambouillet (Seine-et-Oise) l'invitant à s'adresser à la Régie nationale des poudres afin d'apprendre à fabriquer du salpêtre (1794), 1 folio r

Source: Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader
Recent Refs.

Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.



1 folio r | (32 x 21) cm

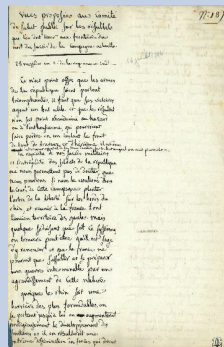
Lazare Carnot, Handwriting Review by Lazare Carnot, entitled “Observations proposed to the Public Health Committee upon the results which should be achieved at the Northern Borders from the Successes of the current Campaign (1794, 16th of July) | At the bottom page, on the right side of the letter, one can read the monogram of his son descendant, Lazare LJ Carnot (1903-1990) who was the founder of this [Carnot] Collection, 1 *folio* r

Lazare Carnot, Rapport réalisé par Lazare Carnot, et intitulé « Vues proposées au Comité de Salut public sur les résultats que l'on doit tirer aux frontières du nord des succès de la campagne actuelle (16 juillet 1794 1794) | En bas à droite du document se trouve le monogramme de son descendant Lazare LJ Carnot (1903-1990) à l'origine de cette collection, 1 *folio* r

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

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1 *folio* r | (32 x 20) cm

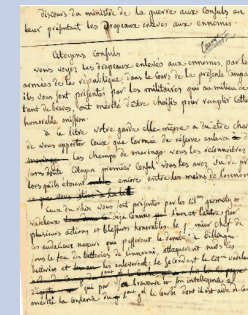
Lazare Carnot, Handwriting draft entitled “Speeches of the Minister of War to the Consuls, Presenting the Flags Caught from the Enemies” (s.d., fl. year 1800).

Lazare Carnot, Brouillon tapuscrit intitulé « Discours du Ministre de la Guerre aux consuls en leur présentant les drapeaux enlevés aux ennemis » s.d., fl. an 1800).

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
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1 *folio* r | (22 x 17) cm

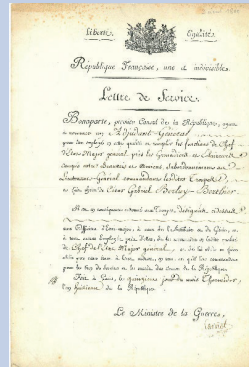
Lazare Carnot, Nomination of César Gabriel Berly-Berthier, Brother of Alexandre Berthier, as Adjutant-Major. It was signed by Lazare Carnot, Minister of War (1800, 3rd of April) | Lazare was appointed (1800, April 2nd) by Napoléon as *Minister of War*. He was in charge until 1800, 8th of October, which included the events of the Battle of Marengo (1800 June 14th).

Lazare Carnot, Nomination de César Gabriel Berly-Berthier, frère d'Alexandre Berthier, comme Adjudant-Major, signée de Lazare Carnot, Ministre de la Guerre (3 avril 1800) | Lazare est nommé *Ministre de la Guerre* (2 avril 1800) par Napoléon. Il fut aux commandes jusqu'au 8 octobre 1800, date à laquelle furent les événements de la bataille de Marengo (14 juin 1800).

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

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Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.



1 folio r | (38 x 25) cm

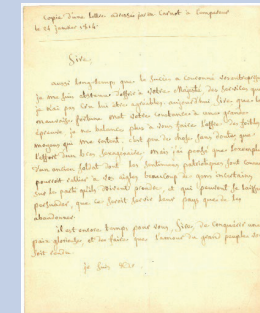
Lazare Carnot, Copy of a letter from Lazare Carnot to Napoléon 1st, offering his services to him (1814, 24th of January)

Lazare Carnot, Copie d'une lettre de Lazare Carnot adressée à Napoléon 1^{er} et lui proposant ses services (24 janvier 1814)

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

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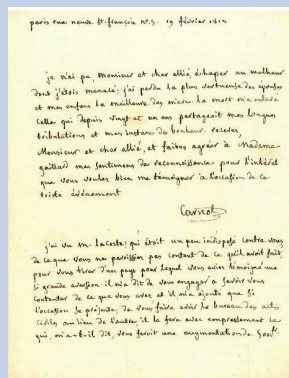


1 folio r | (23 x 18) cm

Lazare Carnot, Letter from Lazare Carnot to his relative, Mr Gaillard, on occasion of the death of his wife Mrs Sophie Dupont (1813, 19th February) (1813), 1 folio r

Lazare Carnot, Lettre de Lazare Carnot à M. Gaillard qui lui est apparenté, à l'occasion du décès de sa femme Sophie Dupont (19 février 1813) (1813), 1 folio r

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader



1 folio r (21 x 16)cm

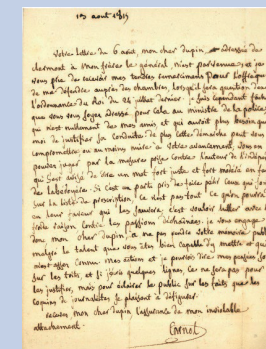
Recent Refs.

- Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, *Translations and Commentaries*. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
- Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.

Lazare Carnot, Letter from Lazare Carnot to Charles Dupin regarding his proposal to defend him, following his proscription ordered by the King on 1815, 24th of July (1815, 13th of August) (1815), 1 folio r | Charles Dupin (1784-1873) Polytechnician, Mathematician, Economist, Pedagogist and Parliamentarian, active from the First to Second Empire

Lazare Carnot, Lettre de Lazare Carnot à Charles Dupin au sujet de sa proposition de le défendre, suite à sa proscription ordonnée par le Roi le 24 juillet 1815 (1815), 1 folio r | Charles Dupin (1784-1873) Polytechnicien, mathématicien, économiste, pédagogue et parlementaire, en activité du Premier au Second Empire

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader



1 folio r (22 x 17) cm

Recent Refs.

- Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, *Translations and Commentaries*. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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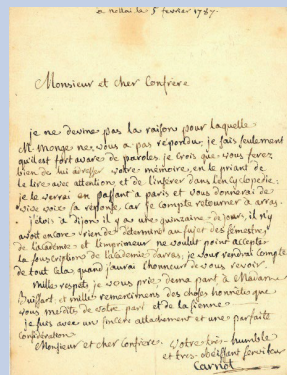
Lazare Carnot, Letter from Lazare Carnot to Mr Antoine Buissart (1787, 5th of February), 1 folio r | Antoine Buissart is a Physicist and Friend of Maximilien de Robespierre (1758-1794); he was, with the Robespierre and Lazare Carnot, Member of the *Academy of Arras*.

Lazare Carnot, Lettre de Lazare Carnot adressée à Antoine Buissart (5 février 1787), 1 folio r | Antoine Buissart est physicien et ami de Maximilien de Robespierre (1758-1794) ; il a été avec ce dernier et Lazare Carnot membre de l'*Académie d'Arras*.

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, *Translations and Commentaries*. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.



1 folio r (23 x 17) cm

Lazare Carnot, Visiting Card of Lazare Carnot, Member of the *National Institute* (s.d.), 1 folio r | In 1795 the *National Institute of Sciences and Arts* was created, later called *Institut de France*. It had 3 sections: *Moral and Political Sciences, Literature and Fine Arts* and *physics and mathematics*; for the latter, Lazare Carnot will be elected in May 1797.

Lazare Carnot Carte de Lazare Carnot, membre de l'*Institut national* (s.d.), 1 folio r | L'*Institut national des sciences et des arts* est créé en 1795 qui deviendra l'*Institut de France*. Il se compose alors de 3 classes : *sciences morales et politiques, littérature et des beaux-arts* and *sciences physiques et mathématiques* à laquelle Lazare sera élu en mai 1797.

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, *Translations and Commentaries*. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.

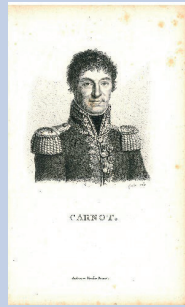


1 folio r (6 x 8) cm

Lazare Carnot, Portrait of Lazare Carnot (fl. 1st Empire), 1 folio (s.d.)

Lazare Carnot, Portrait de Lazare Carnot (fl. 1^{er} Empire), 1 folio (s.d.)

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader



1 folio r (21 x 12) cm

Recent Refs.

Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, *Translations and Commentaries*. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.

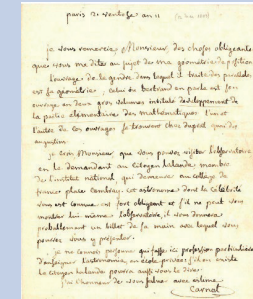
Lazare Carnot, Letter from Lazare Carnot, 21st ventôse Year XI, to Thomas Manning (1803), 1 folio r | Thomas Manning (8th of Nov. 1772 – 2nd of May 1840) was a British explorer, sinologist and doctor who travelled to Tibet (fl. 1811-1812).

Lazare Carnot, Lettre de Lazare Carnot du 21 ventôse An XI, adressée à Thomas Manning (1803), 1 folio r | Thomas Manning (8 novembre 1772 – 2 mai 1840) était un explorateur, sinologue et médecin britannique qui voyagea au Tibet (fl. 1811-1812).

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, *Translations and Commentaries*. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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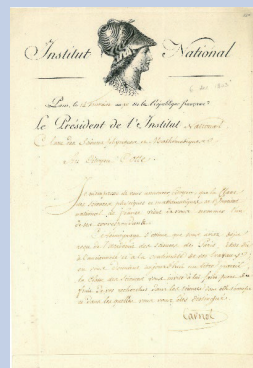


1 folio r (20 x 16) cm

Lazare Carnot, Letter from Lazare Carnot, 14th frimaire an XII, President of the National Institute (1803-1804) – Section of Physical and Mathematical Sciences (1803), 1 folio r

Lazare Carnot, Lettre du 14 frimaire an XII, de Lazare Carnot, Président de l'Institut national (1803-1804) – Classe des Sciences physiques et Mathématiques (1803), 1 folio r

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader



1 folio r (32 x 22) cm

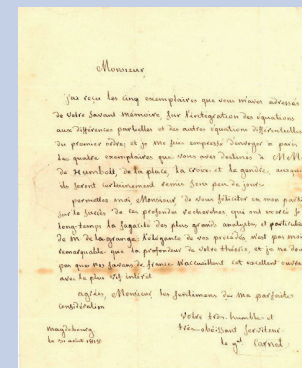
Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, *Translations and Commentaries*. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.

Lazare Carnot, Letter from Lazare Carnot (Magdeburg, 31st of August 1818) to J. F. Pfaff, Professor of mathematics at the University of Halle-Wittenberg, in Saxe-Anhalt, Germany (1818), 1 folio r | Johann Friedrich Pfaff (22 December 1765 – 21 April 1825) was a German mathematician expert in differential equations.

Lazare Carnot, Lettre de Lazare Carnot (Magdebourg, 31 août 1818), à J. F. Pfaff, professeur de mathématiques à l'Université de Halle-Wittenberg, en Saxe (1818), 1 folio r | Johann Friedrich Pfaff (22 décembre 1765 – 21 avril 1825) était un mathématicien allemand expert des équations différentielles.

Source: *Archives Historiques Collection Carnot de l'Académie François Bourdon, Le Creusot, France* | Very kindly Authorized by Monsieur Gaëtan Carnot, Member of Carnot's Family
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader



1 folio r (23 x 19) cm

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, *Translations and Commentaries*. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.

NICOLAS LÉONARD SADI CARNOT
(PARIS, 1 JUNE 1796 – IVRY-SUR-SEINE, 24 AUGUST 1832)

Sadi Carnot, Portrait de Sadi Carnot, 17 y.o. Military Uniform (1813), reproduced by Boilly (s.d.), 1 folio r
Sadi Carnot, Portrait de Sadi Carnot à 17 ans, en uniforme de polytechnicien en 1813, reproduction d'après Boilly (s.d.), 1 folio r



1 folio r (65 x 50) cm (support), comprenant la gravure (45 x 31) cm

Recent Refs.

Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.

Source: Archives de l'Académie des sciences, France | 10 items
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project & Leading Carnot Lille 2024



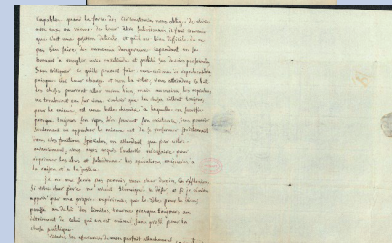
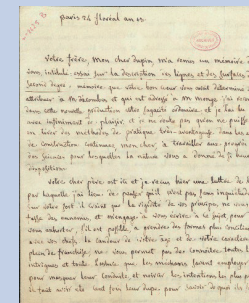
LAZARE NICOLAS MARGUÉRITE CARNOT
(NOLAY, 13 MAY 1753 – MAGDEBURG, 2 AUGUST 1823)

Lazare Carnot, 3 letters to Charles Dupin (1805, 1815, 1821) 3 folia rv
Lazare Carnot, 3 lettres à Charles Dupin (1805, 1815, 1821) 3 folia rv

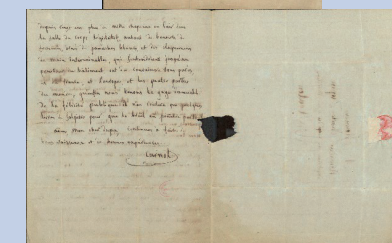
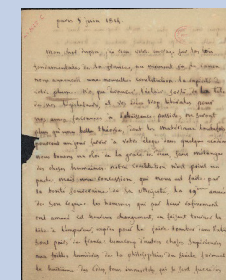
Source: Archives de l'Académie des sciences, France
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

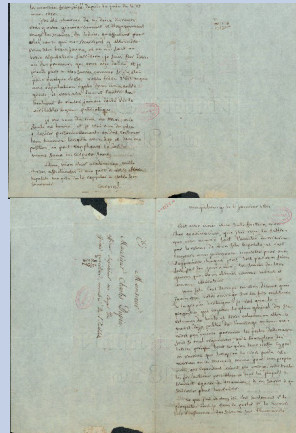
Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.



1 folio rv | (16 x 20,3)r cm & (32 x 20,3)v cm



1 folio rv | (15 x 19,6)r cm & (30 x 19,6)v cm



1 folio rv | (22,4 x 18,7) cm

Lazare Carnot, *Dissertation on Theory of Machines to Compete for the Prize of 1779 Proposed by the French Royal Academy of Science of Paris* (1778) 32 folia rv

Lazare Carnot, *Mémoire sur la théorie des machines pour concourir au prix de 1779 proposé par l'Académie Royale des Sciences de Paris* (1778) 32 folia rv

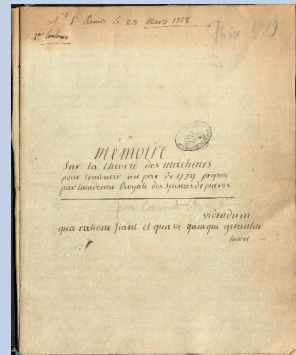
Source: Archives de l'Académie des sciences, France

Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.

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32 folia rv | Ms. (18.5 x 23.5) cm

Lazare Carnot, *Dissertation on Theory of Machines to Compete for the Prize that the Royal Academy of Sciences of Paris achieved in 1781*, Bethune, 15th of July 1780, 49 folia rv

Lazare Carnot, *Mémoire sur la théorie des machines pour concourir au prix que l'Académie Royale des Sciences de Paris doit adjuger en 1781*, Béthune, 15 juillet 1780, 49 folia rv

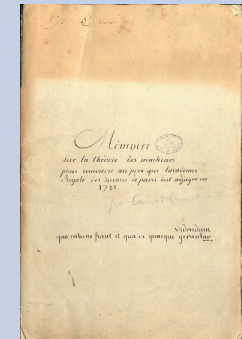
Source: Archives de l'Académie des sciences, France

Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Cooppersmith J, Peake M (2021) *Essay on Machines in General* (1786). Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.

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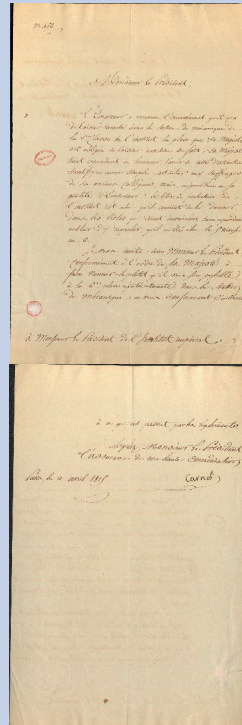
49 folia rv | (18.5 x 23.5) cm

Letter of Lazare Carnot to the President of the Institute about a vacancy of Mechanics 1 folio rv (1815)
Lettre de Lazare Carnot au Président de l'Institut relative à la place vacante dans la section de mécanique 1 folio rv (1815)

Source: *Archives de l'Académie des sciences*, France
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.



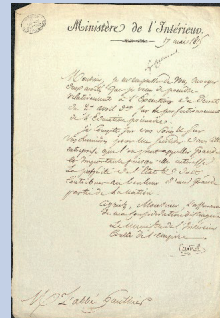
1 folio rv (18.5 x 23.5) cm

Lazare Carnot, Creation of the Committee of Public Education, April 1815 (biographical file): Letter to Father Gauthier, 17th of May 1815, 1 folio, r
Lazare Carnot, Lettre à l'abbé Gauthier, 17 mai 1815, 1 folio r

Source: *Archives de l'Académie des sciences*, France
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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1 folio r | (20,9 x 31,8) cm

NICOLAS LÉONARD SADI CARNOT
(PARIS, 1 JUNE 1796 – IVRY-SUR-SEINE, 24 AUGUST 1832)

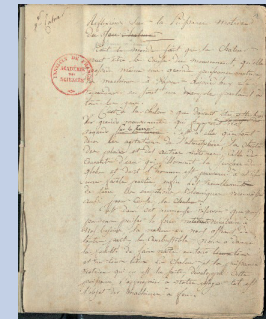
Sadi Carnot, *Réflexions sur la puissance motrice du feu*, 4 Notebook Manuscripts, s.d. Gift by Carnot Family (Hyppolite/Adolphe), 16th of December 1878, 22 folia, 24 folia, 20 folia, 26 folia. Tot. 92 folia rv

Sadi Carnot, *Notes sur les mathématiques, la physique et autres sujets*, 4 cahiers manuscrits, s.d. don de la Carnot Family (Hyppolite/Adolphe), 16 décembre 1878, 22 folia, 24 folia, 20 folia, 26 folia. Tot. 92 folia rv. Tot. 92 folia rv

Source: *Archives de l'Académie des sciences*, France
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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92 folia rv (16.5 x 21.5)cm

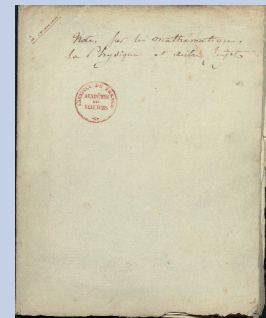
Sadi Carnot, *Notes on Mathematics, Physics and other Subjects* Notebook Manuscripts, s.d. Gift by Carnot Family (Hyppolite/Adolphe), 16th of December 1878, 23 folia rv

Sadi Carnot, *Notes sur les mathématiques, la physique et autres sujets*, cahiers manuscrits, s.d. don de la Carnot Family (Hyppolite/Adolphe), 16 décembre 1878, 23 folia rv

Source: *Archives de l'Académie des sciences*, France
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786)*. Text, Translations and Commentaries. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
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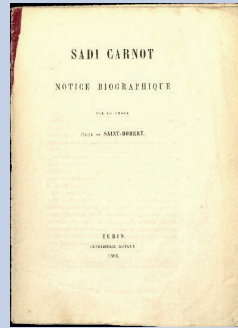
23 folia rv (16,8 x 21,5) cm

Paul de Saint-Robert (Paolo Ballada) Sadi Carnot, *Sketch of Sadi Carnot*, 1868, 22pp.
Paul de Saint-Robert (Paolo Ballada) *Sadi Carnot, Notice Biographique par le Comte of Sadi Carnot*, 1868, 22pp.

Source: *Archives de l'Académie des sciences*, France
Prof. Raffaele Pisano (University of Lille, France), Carnot Scientific Project Leader

Recent Refs.

Pisano R, Coopersmith J, Peake M (2021) *Essay on Machines in General (1786). Text, Translations and Commentaries*. Lazare Carnot's Mechanics – Vol. 1. Springer, Dordrecht, 400 pp.
Gillispie CC, Pisano R (2014) *Lazare and Sadi Carnot. A Scientific and Filial Relationship* 2nd Edition. Springer, Dordrecht, 495 pp.



11pp. rv (16 x 22,8) cm

Source: *Dr. Joseph Lajzerowicz Carnot Private Archive, France, France* | 2 items



LAZARE NICOLAS MARGUÉRITE CARNOT
(NOLAY, 13 MAY 1753 – MAGDEBURG, 2 AUGUST 1823)

Limestone Lithography Sadi Carnot Portrait (s. d.)
Medal Portrait of Sadi Carnot (s. d.)



