
THE COLLECTED PAPERS OF
GESAMMELTE SCHRIFTEN

Albert Einstein

VOLUME 11 / BAND 11

*CUMULATIVE INDEX, BIBLIOGRAPHY,
LIST OF CORRESPONDENCE,
CHRONOLOGY, AND ERRATA TO
VOLUMES 1-10*



Compiled by A. J. Kox, Tilman Sauer, Diana Kormos Buchwald,
Rudy Hirschmann, Osik Moses, Benjamin Aronin,
AND Jennifer Stolper
With the assistance of József Illy, Jennifer Nollar,
AND Carol Chaplin

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TO

VOLUMES 1–10

DIANA KORMOS BUCHWALD

GENERAL EDITOR

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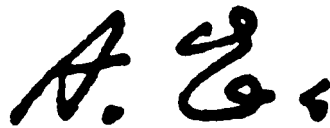
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A stylized, handwritten signature of Albert Einstein, rendered in black ink. The signature is cursive and fluid, with the first letter 'A' being particularly large and prominent. It is positioned centrally on the page, below the list of compilers.

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INTRODUCTION

This volume presents cumulative indexes and cumulative editorial apparatus for the first ten volumes of the *Collected Papers of Albert Einstein (CPAE)*.

After the publication in 1987 of Volume 1, *The Early Years*, which contained various documents, writings, and correspondence covering the first twenty-three years of Einstein's life, the *CPAE* volumes chart three main chronological periods: the Swiss years; the Berlin years; and the Princeton years.

Albert Einstein (1879–1955) spent his childhood and adolescence in southern Germany. In 1896 he moved to Switzerland, where he attended the Swiss Polytechnic Institute (ETH), completed his doctorate, and worked, with a brief interlude in 1911–1912 as professor at the German University in Prague, until 1914, when he moved to Berlin as a permanent member of the Prussian Academy of Sciences and professor at the University of Berlin. In 1933, Einstein emigrated to the United States, where he spent the last twenty-two years of his life as a faculty member at the Institute for Advanced Study in Princeton, New Jersey.

To date, an additional nine volumes covering the years 1903–1921 have been published, both in the original language “documentary edition,” and in the English-language “translation edition.”

These subsequent volumes are divided into separate *Writings* and *Correspondence* volumes. Thus, Volumes 2, 3, 4, 6, and 7 contain Einstein's *Writings* until and including the year 1921, while Volumes 5, 8, 9, and 10 contain his *Correspondence* until and including the year 1920. In a total of more than 7500 printed pages, the first ten volumes of the series present 256 items of *Writings* as full text, and 2837 items of *Correspondence*, either as full text or in abstract.

*

With these ten volumes, the *CPAE* series now covers the first half of Einstein's life and thus more than two decades of extraordinary scientific achievements. The series, which begins with Einstein's birth certificate, contains all his scientific and nonscientific published writings. These include not only his first essay of 1895, his first research paper in 1901, the singular publication record of his *annus mirabilis*, 1905, and the papers leading to his breakthrough to general relativity in late 1915

and early 1916, but also his 1917 popular book on the theory of relativity and the Princeton lectures that were delivered in April 1921. In addition to his publications, the series presents a number of unpublished manuscripts, lecture notes, and calculations that document Einstein's work and thinking.

World War I marks the beginning of Einstein's public interventions in political, social, and humanitarian matters, pacifism, and Zionist causes, documented in an increasing number of nonscientific writings after 1918, as well as in his correspondence. Einstein's correspondence also documents his intellectual biography. Starting with early family correspondence and letters to his fellow student and future wife, Mileva Marić, the topics contained in the letters progress to the more intense professional and scientific exchanges with physicists, mathematicians, astronomers, engineers, and science administrators that illuminate his career path from a position at the Swiss Patent Office, his doctorate in 1905 and his habilitation in 1908, to his faculty appointments in Zurich, Prague, Berlin and Leyden, as well as his many publications, lectures, honors, and prizes. The observational confirmation of the predicted gravitational light bending during the solar eclipse of May 1919 initiates Einstein's rise to international fame.

*

Throughout the first ten volumes, the original editorial method established for the series was largely adhered to, modified or supplemented in light of new material and information, unforeseen or unavailable more than twenty years ago. Items discovered after the publication of a given *CPAE* volume to which they would properly belong in chronological order were published as soon as they came to the editors' attention at the beginning of a subsequent volume. Volume 10, in particular, presents 211 supplementary letters to the correspondence already published in Volumes 5, 8, and 9. Most of these items came from the estate of Margot Einstein (1899–1986), who stipulated that the material remain closed until twenty years after her death.

All of Einstein's published and unpublished writings, to the extent that they can be dated, are included in the series. However, in view of the large amount of extant correspondence from Einstein's later years containing an increasing number of routine financial and administrative correspondence, the editors of Volume 8 introduced a "policy of prudent selectivity." The editors of Volumes 9 and 10 have imposed increasing selectivity criteria, such that these volumes only present those letters to and from Einstein that were deemed significant to a proper understanding of his life and work.

Letters not presented as full texts were abstracted in the “Calendars” of these volumes. Of the total of 2837 items of correspondence written by and to Einstein in this period, 695 were abstracted and calendared. Volume 1 includes a “Chronology” of Einstein’s life, covering the period from March 1879 to June 1902, and Volume 5 includes a “Chronology/Calendar” covering the period from June 1902 to April 1914. The subsequent correspondence Volumes 8, 9, and 10 contain “Calendars” that include references to and abstracts of known items of correspondence that were not included as texts.

*

In order to facilitate comprehensive and swift access to the material published during the past two decades, we decided to compile a volume that presents cumulative indexes and the editorial apparatus of the ten volumes published to date.

The core of the present volume is the “Cumulative Index to Volumes 1–10.” While this index is based on a merged version of the ten individual general indexes to the documentary edition, the final Cumulative Index was prepared by means of a combination of manual work, resolving inconsistencies among the thesauri of the individual indexes, and automated routines that performed tasks such as detecting subentries, sorting, merging, and adding volume numbers to page numbers.

Each of the ten individual general indexes of the documentary edition contained an extensive entry on “Einstein, Albert (1879–1955),” containing numerous subentries that pointed to information, primarily scientific, which was also referenced elsewhere in the index. Therefore, in the course of preparing the present Cumulative Index, we have retained under this particular heading only those references that specifically refer to Einstein’s work, family, travels, opinions, personal life, political views, and so forth.

The Cumulative Index now also includes references to the chronology and calendars of Volumes 1, 5, and 8 that were not previously indexed. To the extent that errors of fact or misprints in the individual indexes have come to our attention, they have been corrected in the Cumulative Index and have not been listed in the “Errata to Volumes 1–10” presented at the end of the current volume.

*

The present volume presents three bibliographies. The “List of Writings, 1891–1921” and the “Einstein Bibliography, 1901–1921” provide chronological lists of Einstein’s writings and publications, compiled from the documents included in the first ten volumes of the *CPAE*.

To a large extent, these lists overlap. However, the “List of Writings, 1891–1921” also includes all of Einstein’s manuscripts that remained unpublished by 1921, while the “Einstein Bibliography, 1901–1921” includes documents that were republished during this period.

Since the editorial objective of the *CPAE* is completeness in regard to Einstein’s writings, these two sections constitute the most complete Einstein bibliographies to date for the years under consideration. In addition, the “Einstein Bibliography, 1901–1921” combines the bibliographic information with an index of citations. For each item, it lists the page numbers in the volumes where the item is referenced or discussed.

No effort has been made to extend the bibliographies of Einstein’s publications and writings beyond 1921. Nevertheless, a number of Einstein’s post-1921 publications can be found in the “Cumulative Bibliography and Index of Citations to Volumes 1–10.” This section lists all the literature written by named authors that is cited in at least one of the first ten volumes of the series. It combines the cumulative literature cited with a cumulative index of citations.

We emphasize that the editorial method of the *CPAE* states that the “lists of literature cited do not constitute a bibliography of all significant works on Einstein.” The same holds for the cumulative bibliography and index of citations. Moreover, we have excluded from the cumulative bibliography all references that were not authored or edited by a named person or group of persons, for example, those in *Vorlesungsverzeichnisse*, *Adressverzeichnisse*, *Statuten*, *Verhandlungen*, *Jahresberichte*, newspaper and journal runs, and so on.

We hope that, in combination with its cumulative index of citations, this bibliography will provide another useful entrée to the information of the documentary edition, particularly with respect to the primary literature. To the extent that misprints and typographical errors in the references to literature have come to the attention of the editors, they have implicitly been corrected in the general cumulative bibliography and are not listed in the cumulative errata.

*

In order to facilitate access to the correspondence presented in the *Collected Papers*, the present volume contains two complete lists of Einstein’s correspondence until and including the year 1920.

The first list presents the correspondence in chronological order, the second list presents the correspondence in alphabetical order by correspondent.

The primary purpose of these lists is to integrate the correspondence published in one of the *Correspondence* volumes with correspondence published in a later

volume and correspondence abstracted in a calendar. Although the annotation in the documentary edition contains references to later correspondence or to third-party letters, no effort has been made to extend the lists of correspondence beyond 1920 or beyond direct incoming and outgoing Einstein letters.

*

We also include a comprehensive chronology of Einstein's life for the years 1879–1921. Since correspondence that was abstracted in the individual calendars can be found in this volume via the lists of correspondence, references to correspondence are not included in the general chronology. Likewise, all original quotations and bibliographic and archival references for information listed in the general chronology can be found in the individual calendars, rather than in the general chronology.

*

This volume presents a list of all significant errata that have come to our attention. Inconsistencies across the different volumes (for instance in years of birth or death of individuals) and errors in the indexes and literature cited have been corrected in the Cumulative Index and the Cumulative Bibliography, and are not listed in the errata.

*

We emphasize that the information in this volume is intended primarily to direct the reader to the relevant and authoritative information that can be found in the individual volumes of the documentary edition. We hope that readers of the *Collected Papers of Albert Einstein* will find Volume 11 useful in facilitating access to the documents presented in the first ten volumes of the series.

ENDOWMENT

Harold W. McGraw, Jr.

Virgle L. Hedgcoth & Susan Alexander Fund,
California Institute of Technology

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LIST OF WRITINGS, 1891–1921

The following is a chronological list of Albert Einstein's published and unpublished scientific and nonscientific writings prior to 1922, excluding correspondence. The list was compiled from the first ten volumes of the *Collected Papers of Albert Einstein* in which each item below is presented as a document. The list therefore also includes Vol. 7, Doc. 71 (*Vier Vorlesungen über Relativitätstheorie, gehalten im Mai 1921*), an item that was completed before 4 January 1922 and published in 1922.

Items written but not published by Einstein are identified by the archival number given in square brackets. Published items are identified by the primary bibliographic reference and by a bibliographic short title under which the item is referred to in the documentary edition.

For a discussion of different drafts, versions, or reprints of an item, if those exist, consult the relevant volume of the documentary edition. For further information on published items, see also the "Einstein Bibliography, 1901–1921," pp. 45–91.

In this listing, a title without quotation marks, and which is not the title of a monograph, has been provided by the editors of the respective volume. Likewise, if a title appears both in English translation and in its original language, the former was also provided by the editors.

Items are dated by the date of completion, if known; otherwise, by the earliest known of the dates of submission, reception, or publication. If only a time frame could be established, the item is listed at its earliest possible date.

For lists of Einstein's correspondence, see the "Alphabetical List of Correspondence, 1895–1920," pp. 93–135, and the "Chronological List of Correspondence, 1895–1920," pp. 137–174.

Volume 1

1891–1895

Comment on the Proof of a Theorem
Vol. 1, Doc. 3, 3 [86-017].

1891–1895

Two Philosophical Comments
Vol. 1, Doc. 4, 4 [86-018].

Summer? 1895

“On the Investigation of the State of the Ether in a Magnetic Field”
“Über die Untersuchung des Aetherzustandes im magnetischen Felde”
Vol. 1, Doc. 5, 6–9 [2-144.1].

18 Sep 1896

Matura Examination (A) German: “Synopsis of Goethe’s Götze von Berlichingen”
Vol. 1, Doc. 21, 25–27 [29-220].

Matura Examination (B) French: “My Future Plans”
Vol. 1, Doc. 22, 28 [29-223].

19 Sep 1896

Matura Examination (C) Geometry
Vol. 1, Doc. 23, 29–32 [29-222.1].

Matura Examination (D) Physics: “Tangent Galvanometer and Galvanometer”
Vol. 1, Doc. 24, 32–35 [29-222].

21 Sep 1896

Matura Examination (E) Natural History: “Evidence of the Earlier Glaciation of Our Country”
Vol. 1, Doc. 25, 35–38 [29-224].

Matura Examination (F) Algebra
Vol. 1, Doc. 26, 39–41 [29-222.3].

Matura Examination (G) Chemistry
Vol. 1, Doc. 27, 41–42 [29-223].

ca. Dec 1897–ca. Jun 1898

“H. F. Weber’s Lectures on Physics”
“Vorlesungen über Physik von Weber”
Vol. 1, Doc. 37, 63–210 [3-002].

Aug 1899

Verse in the Album of Anna Schmid
Vol. 1, Doc. 49, 220 [31-002].

Volume 2

13 Dec 1900

“Conclusions Drawn from the Phenomena of Capillarity”
“Folgerungen aus den Capillaritätserscheinungen”
Annalen der Physik 4 (1901): 513–523
Vol. 2, Doc. 1, 9–21 (*Einstein 1901*).

Apr 1902

“On the Thermodynamic Theory of the Difference in Potentials between Metals and Fully Dissociated Solutions of Their Salts and on an Electrical Method for Investigating Molecular Forces”
“Ueber die thermodynamische Theorie der Potentialdifferenz zwischen Metallen und vollständig dissociirten Lösungen ihrer Salze und über eine elektrische Methode zur Erforschung der Molekularkräfte”
Annalen der Physik 8 (1902): 798–814
Vol. 2, Doc. 2, 22–40 (*Einstein 1902a*).

Jun 1902

“Kinetic Theory of Thermal Equilibrium and of the Second Law of Thermodynamics”
“Kinetische Theorie des Wärmegleichgewichtes und des zweiten Hauptsatzes der Thermodynamik”
Annalen der Physik 9 (1902): 417–433
Vol. 2, Doc. 3, 56–75 (*Einstein 1902b*).

Jan 1903

“A Theory of the Foundations of Thermodynamics”
“Eine Theorie der Grundlagen der Thermodynamik”

Annalen der Physik 11 (1903): 170–187
Vol. 2, Doc. 4, 76–97 (*Einstein 1903*).

27 Mar 1904

“On the General Molecular Theory of Heat”
“Zur allgemeinen molekularen Theorie der Wärme”
Annalen der Physik 14 (1904): 354–362
Vol. 2, Doc. 5, 98–108 (*Einstein 1904*).

first half of Mar 1905

Review of Giuseppe Belluzzo, “Principles of Graphic Thermodynamics”
“Principi di termodinamica grafica”
Beiblätter zu den Annalen der Physik 29 (1905): 235–236
Vol. 2, Doc. 6, 112–114 (*Einstein 1905a*).

Review of Albert Fliegner, “On Clausius’s Law of Entropy”
“Über den Clausiusschen Entropiesatz”
Beiblätter zu den Annalen der Physik 29 (1905): 236–237
Vol. 2, Doc. 7, 115–117 (*Einstein 1905b*).

Review of William McFadden Orr, “On Clausius’ Theorem for Irreversible Cycles, and on the Increase of Entropy”
Beiblätter zu den Annalen der Physik 29 (1905): 237
Vol. 2, Doc. 8, 118–119 (*Einstein 1905c*).

Review of George Hartley Bryan, “The Law of Degradation of Energy as the Fundamental Principle of Thermodynamics”
Beiblätter zu den Annalen der Physik 29 (1905): 237
Vol. 2, Doc. 9, 120–121 (*Einstein 1905d*).

Review of Nikolay Nikolayevich Schiller, “Some Concerns Regarding the Theory of Entropy Increase Due to the Diffusion of Gases Where the Initial Pressures of the Latter Are Equal”
“Einige Bedenken betreffend die Theorie der Entropiemehrung durch Diffusion der Gase bei einander gleichen Anfangsspannungen der letzteren”
Beiblätter zu den Annalen der Physik 29 (1905): 237–238
Vol. 2, Doc. 10, 122–124 (*Einstein 1905e*).

Review of Jakob Johann Weyrauch, “On the Specific Heats of Superheated Water Vapor”

“Ueber die spezifischen Wärmen des überhitzten Wasserdampfes”

Beiblätter zu den Annalen der Physik 29 (1905): 240

Vol. 2, Doc. 11, 125–126 (*Einstein 1905f*).

Review of Jacobus Henricus Van 't Hoff, “The Influence of the Change in Specific Heat on the Work of Conversion”

“Einfluß der Änderung der spezifischen Wärme auf die Umwandlungsarbeit”

Beiblätter zu den Annalen der Physik 29 (1905): 240–242

Vol. 2, Doc. 12, 127–130 (*Einstein 1905g*).

Review of Arturo Giammarco, “A Case of Corresponding States in Thermodynamics”

“Un caso di corrispondenza in termodinamica”

Beiblätter zu den Annalen der Physik 29 (1905): 246–247

Vol. 2, Doc. 13, 131–133 (*Einstein 1905h*).

17 Mar 1905

“On a Heuristic Point of View Concerning the Production and Transformation of Light”

“Über einen die Erzeugung und Verwandlung des Lichtes betreffenden heuristischen Gesichtspunkt”

Annalen der Physik 17 (1905): 132–148

Vol. 2, Doc. 14, 149–169 (*Einstein 1905i*).

30 Apr 1905

A New Determination of Molecular Dimensions

Eine neue Bestimmung der Moleküldimensionen

Bern: Buchdruckerei K. J. Wyss, 1905

Vol. 2, Doc. 15, 183–202 (*Einstein 1905j*).

May 1905

“On the Movement of Small Particles Suspended in Stationary Liquids Required by the Molecular-Kinetic Theory of Heat”

“Über die von der molekularkinetischen Theorie der Wärme geforderte Bewegung von in ruhenden Flüssigkeiten suspendierten Teilchen”

Annalen der Physik 17 (1905): 549–560
Vol. 2, Doc. 16, 223–236 (*Einstein 1905k*).

second half of Jun 1905

Review of Karl Fredrik Slotte, “On the Heat of Fusion”
“Über die Schmelzwärme”
Beiblätter zu den Annalen der Physik 29 (1905): 623–624
Vol. 2, Doc. 17, 237–239 (*Einstein 1905l*).

Review of Karl Fredrik Slotte, “Conclusions Drawn from a
Thermodynamic Equation”
“Folgerungen aus einer thermodynamischen Gleichung”
Beiblätter zu den Annalen der Physik 29 (1905): 629
Vol. 2, Doc. 18, 240–241 (*Einstein 1905m*).

Review of Emile Mathias, “The Constant a of Rectilinear
Diameters and the Laws of Corresponding States ”
“La constante a des diamètres rectilignes et les lois des états
correspondants [2^e mémoire]”
Beiblätter zu den Annalen der Physik 29 (1905): 634–635
Vol. 2, Doc. 19, 242–244 (*Einstein 1905n*).

Review of Max Planck, “On Clausius’ Theorem for Irrevers-
ible Cycles, and on the Increase of Entropy”
Beiblätter zu den Annalen der Physik 29 (1905): 635
Vol. 2, Doc. 20, 245–246 (*Einstein 1905o*).

Review of Edgar Buckingham, “On Certain Difficulties
Which Are Encountered in the Study of Thermodynamics”
Beiblätter zu den Annalen der Physik 29 (1905): 635–636
Vol. 2, Doc. 21, 247–249 (*Einstein 1905p*).

Review of Paul Langevin, “On a Fundamental Formula of
the Kinetic Theory”
“Sur une formule fondamentale de la théorie cinétique”
Beiblätter zu den Annalen der Physik 29 (1905): 640–641
Vol. 2, Doc. 22, 250–252 (*Einstein 1905q*).

Jun 1905

“On the Electrodynamics of Moving Bodies”
“Zur Elektrodynamik bewegter Körper”
Annalen der Physik 17 (1905): 891–921
Vol. 2, Doc. 23, 275–310 (*Einstein 1905r*).

Sep 1905

“Does the Inertia of a Body Depend upon its Energy Content?”

“Ist die Trägheit eines Körpers von seinem Energieinhalt abhängig?”

Annalen der Physik 18 (1905): 639–641

Vol. 2, Doc. 24, 311–315 (*Einstein 1905s*).

second half of Sep 1905

Review of Heinrich Birven, *Fundamentals of the Mechanical Theory of Heat*

Grundzüge der mechanischen Wärmetheorie

Beiblätter zu den Annalen der Physik 29 (1905): 950

Vol. 2, Doc. 25, 316–317 (*Einstein 1905t*).

Review of Auguste Ponsot, “Heat in the Displacement of the Equilibrium of a Capillary System”

“Chaleur dans le déplacement de l’équilibre d’un système capillaire”

Beiblätter zu den Annalen der Physik 29 (1905): 952

Vol. 2, Doc. 26, 318–319 (*Einstein 1905u*).

Review of Karl Bohlin, “On Impact Considered as the Basis of Kinetic Theories of Gas Pressure and of Universal Gravitation”

“Sur le choc, considéré comme fondement des théories cinétiques de la pression des gaz et de la gravitation universelle”

Beiblätter zu den Annalen der Physik 29 (1905): 952–953

Vol. 2, Doc. 27, 320–322 (*Einstein 1905v*).

first half of Nov 1905

Review of Georges Meslin, “On the Constant in Mariotte and Gay-Lussac’s Law”

“Sur la constante de la loi de Mariotte et Gay-Lussac”

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The following section contains a chronological list of Albert Einstein's writings published before 1922.

The items are identified by bibliographical short titles of the form *Author(s) year* that indicate the year of publication. Multiple publications within the same year are distinguished by a trailing lower case letter. For the post-1921 publications, co-authored items are listed alphabetically.

Each entry lists the title of the publication and its bibliographic reference, followed by the volume, document number, and page numbers in the documentary and translation editions of its publication in the *CPAE*.

If a publication is not presented in the documentary edition because it is identical or very similar to another item, a cross-reference to the presented version is provided. Likewise, cross-references are made to translations and reprints, but only if those, too, were published before 1922. The entries also contain information about the dating of each item.

Citations of documents refer to *CPAE* volumes and page numbers. A trailing "n" indicates that the reference occurs in a footnote and a trailing "c" that it occurs in the calendar.

The bibliographic short title assigned to an Einstein publication in any volume is retained in all subsequent volumes. Conversely, later Einstein publications may have been referenced in earlier volumes with a different short title. If so, the short title used in the respective volume is indicated in the citations.

For Einstein's unpublished writings, see "List of Writings, 1891–1921," pp. 1–44. For items published after 1921, see "Cumulative Bibliography and Index of Citations to Volumes 1–10," pp. 455–612.

For lists of Einstein's correspondence, see the "Alphabetical List of Correspondence, 1895–1920," pp. 93–135, and the "Chronological List of Correspondence, 1895–1920," pp. 137–174.

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Einstein 1902a

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Einstein 1904

“Zur allgemeinen molekularen Theorie der Wärme”

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Dated: 27 March 1904 (recd. 1904/03/29; publ. 1904/06/02)

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Dated: 30 April 1905

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 582n **3**: xxxii, 157, 175n, 275, 281n, 454n, 490, 497n **4**: 144n, 294 **5**: 32n, 33n, 42n, 44n, 57, 77n, 93n,
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 273n, 384n

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5: 33n, 44n, 93n, 104n **7**: 280n **9**: 524n

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Einstein 1905u

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Einstein 1906b

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Dated: December 1905 (recd. 1905/12/19; publ. 1906/02/08)

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Einstein 1906c

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Dated: January 1906 (publ. 1906/02/08)

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Einstein 1906d

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Einstein 1907a

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See also *Einstein 1907d*

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544n, 545n **4**: 270, 285n, 534n, 565n **5**: 180n, 233n, 246n, 260n, 303n, 378n **6**: 39n, 370n
8: 22n, 27n, 39n **9**: 418n

Einstein 1907b

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Einstein 1907c

“Theoretische Bemerkungen über die Brownsche Bewegung”

Zeitschrift für Elektrochemie und angewandte physikalische Chemie 13 (1907): 41–42 [Vol. 2, Doc. 40, 398–400; trans. 229–231]

Dated: January 1907 (recd. 1907/01/22; publ. 1907/02/08)

Cited: **2**: 179, 206, 210, 218, 219, 345n, 398–400, 500, 501n, 502n, 559n **5**: 80n, 124n, 204n, 218n **8**: 802n **9**: 286n

Einstein 1907d

“Berichtigung zu meiner Arbeit: ‘Die Plancksche Theorie der Strahlung etc.’”

Annalen der Physik 22 (1907): 800 [Vol. 2, Doc. 42, 404–406; trans. 233–234]

Dated: 3 March 1907 (recd. 1907/03/03; publ. 1907/04/04)

Refers to *Einstein 1907a*

Cited: **2**: 134, 143, 390n, 391n, 404–406, 549, 552n **3**: xxiii, 414n

Einstein 1907e

“Über die Möglichkeit einer neuen Prüfung des Relativitätsprinzips”

Annalen der Physik 23 (1907): 197–198 [Vol. 2, Doc. 41, 401–403; trans. 232–233]

Dated: March 1907 (recd. 1907/03/17; publ. 1907/05/28)

Cited: **2**: 253, 254, 401–403, 485n **3**: 175n, 439n **4**: 105n **5**: 47n **9**: 357n

Einstein 1907f

“Ueber die Natur der Bewegungen mikroskopisch kleiner, in Flüssigkeiten

suspendierter Teilchen”

Naturforschende Gesellschaft Bern. Mitteilungen (1907): VII [Vol. 2, Doc. 43, 407–408; trans. 235]

Dated: 23 March 1907 (pres. 1907/03/23; publ. 1907)

Cited: 2: 206, 218, 407–408

Einstein 1907g

“Bemerkungen zu der Notiz von Hrn. Paul Ehrenfest: ‘Die Translation deformierbarer Elektronen und der Flächensatz’”

Annalen der Physik 23 (1907): 206–208 [Vol. 2, Doc. 44, 409–412; trans. 236–237]

Dated: 14 April 1907 (recd. 1907/04/16; publ. 1907/05/28)

Cited: 2: xxii, 253, 254, 256, 267, 268, 409–412, 427n 5: 80n

Einstein 1907h

“Über die vom Relativitätsprinzip geforderte Trägheit der Energie”

Annalen der Physik 23 (1907): 371–384 [Vol. 2, Doc. 45, 413–428; trans. 238–250]

Dated: May 1907 (recd. 1907/05/14; publ. 1907/06/13)

Cited: 2: xxv, xxviii, xxix, 140, 253, 254, 265, 270, 308n, 310n, 358n, 390n, 412n, 413–428, 436, 468, 473, 485n, 486n, 487n, 551n, 562n 3: 127n, 175n, 449n, 478 5: 50n, 57, 59n, 89n, 107n

Einstein 1907i

Review of Jakob Johann Weyrauch, *Grundriss der Wärmetheorie. Mit zahlreichen Beispielen und Anwendungen*. Part 2. Stuttgart: Wittwer, 1907

Beiblätter zu den Annalen der Physik 31 (1907): 777–778 [Vol. 2, Doc. 46, 429–431; trans. 251–252]

Dated: second half of August 1907

Cited: 2: 110, 114n, 126n, 330n, 429–431

Einstein 1907j

“Über das Relativitätsprinzip und die aus demselben gezogenen Folgerungen”

Jahrbuch der Radioaktivität und Elektronik 4 (1907): 411–462 [Vol. 2, Doc. 47, 432–488; trans. 252–311]

Dated: 4 December 1907 (recd. 1907/12/04; publ. 1908/01/22)

See also *Einstein 1908b*

Cited: **2:** 253, 254, 255, 256, 257, 260, 267, 271, 272, 273, 274, 308n, 309n, 310n, 315n, 372n, 432–488, 493–495, 495n, 505 **3:** xxviii, 127n, 157, 175n, 434, 439n, 486, 497n **4:** xv, 4, 102n, 106n, 122, 123, 145n, 163n, 193, 340n, 485n, 511n, 551n **5:** 33n, 59n, 74n, 76n, 78n, 82n, 84n, 86n, 95n, 98n, 104n, 106n, 118n, 145n, 153n, 191n, 205n, 211n, 313n **6:** 129n, 338n, 537n **7:** 43n, 265, 279n–281n **8:** 883n **9:** lii, 209n, 524n **10:** 10n

Einstein 1908a

“Eine neue elektrostatische Methode zur Messung kleiner Elektrizitätsmengen”

Physikalische Zeitschrift 9 (1908): 216–217 [Vol. 2, Doc. 48, 489–492; trans. 312–315]

Dated: 13 February 1908 (recd. 1908/02/15; publ. 1908/04/01)

Cited: **2:** 41, 206, 222, 345n, 397n, 489–492 **3:** 9, 175n, 397n **5:** 55n, 89n, 98n, 103n, 112n, 152n **9:** 69n

Einstein 1908b

“Berichtigungen zu der Arbeit: ‘Über das Relativitätsprinzip und die aus demselben gezogenen Folgerungen’”

Jahrbuch der Radioaktivität und Elektronik 5 (1908): 98–99 [Vol. 2, Doc. 49, 493–495; trans. 316–317]

Dated: 29 February 1908 (subm. 1908/02/29; recd. 1908/03/03)

Refers to *Einstein 1907j*

Cited: **2:** 253, 486n, 487n, 488n, 493–495, **4:** 122, 144n **5:** 106n

Einstein 1908c

“Elementare Theorie der Brownschen Bewegung”

Zeitschrift für Elektrochemie und angewandte physikalische Chemie 14 (1908): 235–239 [Vol. 2, Doc. 50, 496–502; trans. 318–328]

Dated: 1 April 1908 (recd. 1908/04/01; publ. 1908/04/24)

Cited: **2:** 179, 206, 218, 408n, 496–502 **3:** 454n **5:** 118n, 124n, 204n **8:** 802n

Einstein 1909a

“Bemerkung zu der Arbeit von D. Mirimanoff ‘Über die Grundgleichungen . . .’”

Annalen der Physik 28 (1909): 885–888 [Vol. 2, Doc. 55, 536–540; trans. 353–356]

Dated: January 1909 (recd. 1909/01/22; publ. 1909/03/16)

Cited: **2:** 503, 507, 517n, 536–540 **5:** 156n, 157n **8:** 5n, 6n, 7n

Einstein 1909b

“Zum gegenwärtigen Stand des Strahlungsproblems”

Physikalische Zeitschrift 10 (1909): 185–193 [Vol. 2, Doc. 56, 541–553;
trans. 357–375]

Dated: January 1909 (recd. 1909/01/23; publ. 1909/03/15)

Cited: **2:** xxvi, xxviii, xxvi, 42, 44, 49, 52, 54, 134, 137, 138, 138, 140, 141, 145, 146, 148, 168n, 214,
541–550, 552n, 555, 555n, 582n, 583n, 590n **3:** xix, xxvii, 8, 178n, 280, 281n, 454n, 455n, 476n, 505n,
506n, 546n, 562n **4:** 564n **5:** 84n, 89n, 165n, 166n, 167n, 168n, 180n, 188n, 197n, 218n, 261n, 283n, 322n
6: xxiv, 39n, 261n, 370n, 377n, 398n **7:** 469n **8:** 236n, 333n, 424n **10:** 6n

Einstein 1909c

“Über die Entwicklung unserer Anschauungen über das Wesen und die Kon-
stitution der Strahlung”

Deutsche Physikalische Gesellschaft. Verhandlungen 11 (1909): 482–500
[Vol. 2, Doc. 60, 563–583; trans. 379–394]

Dated: 21 September 1909 (pres. 1909/09/21; publ. 1909/10/30)

Reprinted in *Physikalische Zeitschrift* 10 (1909): 817–825

Cited: **2:** xvi, xviii, xxvi, 134, 139, 140, 141, 142, 145, 147, 148, 254, 255, 260, 262, 270, 273, 309n, 315n,
553n, 563–583, 584–586, 587n, 590n **3:** xviii, xix, xxvii, 174n, 176n, 178n, 253n, 311n, 423n, 545n **4:**
110, 564n **5:** 81n, 190n, 197n, 209n, 218n, 227n, 233n **6:** xxiv, 39n, 261n, 370n **7:** 279n–280n **9:** 338n,
374n **10:** 6n

Einstein 1910a

“Le principe de relativité et ses conséquences dans la physique moderne”

Archives des sciences physiques et naturelles 29 (1910): 5–28; 125–144 [Vol.
3, Doc. 2, 130–176; trans. 117–142]

Dated: 15 January and 15 February 1910 (publ. 1910/01/15 and 1910/02/15)

Translated by Edouard Guillaume

Cited: **2:** 262, 273, 307n **3:** 130–174, 439n **4:** 104n, 550n, 551n **5:** 255n **6:** 417 **7:** 279n–280n, 571n
10: 10n, 273n

Einstein 1910b

“Sur la théorie des quantités lumineuses et la question de la localisation de
l’énergie électromagnétique”

Archives des sciences physiques et naturelles 29 (1910): 525–528 [Vol. 3,
Doc. 5, 248–253; trans. 207–208]

Dated: 7 May 1910 (pres. 1910/05/07; publ. 1910/05/15)

Cited: **3:** xix, 248–252, 562n **5:** 230n, 237n

Einstein 1910c

“Sur les forces pondéromotrices qui agissent sur des conducteurs ferromagnétiques disposés dans un champ magnétique et parcourus par un courant”
Archives des sciences physiques et naturelles 30 (1910): 323–324 [Vol. 3, Doc. 6, 254–257; trans. 209–210]

Dated: 15 July 1910 (pres. 1910/09/06; publ. 1910/07/15)

A German abstract of this paper was published in *Schweizerische Naturforschende Gesellschaft. Verhandlungen* (1910): 336

Cited: **2**: *Einstein 1910b* 507 **3**: 254–257, 399n **5**: 120n, 132n, 252n, 255n, 262n

Einstein 1910d

“Theorie der Opaleszenz von homogenen Flüssigkeiten und Flüssigkeitsgemischen in der Nähe des kritischen Zustandes”

Annalen der Physik 33 (1910): 1275–1298 [Vol. 3, Doc. 9, 286–312; trans. 231–249]

Dated: October 1910 (recd. 1910/10/08; publ. 1910/12/20)

Cited: **2**: *Einstein 1910c* 41, 52, 54, 215, 396n, 551n **3**: xxvii, 246n, 283–285, 286–310, 562n

4: 564n **5**: 255n, 257n, 258n, 270n, 311n, 362n, 363n **6**: 579n **8**: 802n, 837n **9**: 276n, 291n

Einstein 1911a

“Bemerkung zu dem Gesetz von Eötvös”

Annalen der Physik 34 (1911): 165–169 [Vol. 3, Doc. 12, 401–407; trans. 328–331]

Dated: 30 November 1910 (recd. 1910/11/30; publ. 1910/12/30)

Cited: **2**: 5, 8, 20n, 21n **3**: 401–406, 414n **5**: 258n, 296n, 401n **10**: 19n, 482n

Einstein 1911b

“Eine Beziehung zwischen dem elastischen Verhalten und der spezifischen Wärme bei festen Körpern mit einatomigem Molekül”

Annalen der Physik 34 (1911): 170–174 [Vol. 3, Doc. 13, 408–414; trans. 332–335]

Dated: 30 November 1910 (recd. 1910/11/30; publ. 1910/12/30)

Cited: **2**: 390n **3**: xxiii, xxiv, 407n, 408–413, 420, 421n, 461, 475n, 476n, 526, 544n **5**: 269n, 279n, 296n

Einstein 1911c

“Bemerkungen zu den P. Hertzschen Arbeiten: ‘Über die mechanischen Grundlagen der Thermodynamik’”

Annalen der Physik 34 (1911): 175–176 [Vol. 3, Doc. 10, 313–315; trans. 250]

Dated: October 1910 (recd. 1910/11/30; publ. 1910/12/30)

Cited: **2**: 41, 44, 53, 97n, 176, 217–218 **3**: 8, 313–315 **5**: 250n, 261n

Einstein 1911d

“Bemerkung zu meiner Arbeit: ‘Eine Beziehung zwischen dem elastischen Verhalten . . .’”

Annalen der Physik 34 (1911): 590 [Vol. 3, Doc. 15, 419–421; trans. 338]

Dated: January 1911 (recd. 1911/01/03; publ. 1911/03/09)

Cited: **3**: xxiv, 414n, 419–423, 544n

Einstein 1911e

“Berichtigung zu meiner Arbeit: ‘Eine neue Bestimmung der Moleküldimensionen’”

Annalen der Physik 34 (1911): 591–592 [Vol. 3, Doc. 14, 415–418; trans. 336–337]

Dated: January 1911 (recd. 1911/01/21; publ. 1911/03/09)

Refers to *Einstein 1906a* and *Einstein 1905j*

Cited: **2**: *Einstein 1911d* 170, 181, 204n, 348n **3**: 268n, 415–417 **5**: 271n **7**: 342–343n **8**: 930n

Einstein 1911f

“Zum Ehrenfest’schen Paradoxon. Bemerkung zu V. Varičaks Aufsatz”

Physikalische Zeitschrift 12 (1911): 509–510 [Vol. 3, Doc. 22, 481–484; trans. 378]

Dated: May 1911 (recd. 1911/05/18; publ. 1911/06/15)

Cited: **3**: 478, 481–483 **4**: 193 **5**: 251n, 292n **10**: 15n

Einstein 1911g

“Elementare Betrachtungen über die thermische Molekularbewegung in festen Körpern”

Annalen der Physik 35 (1911): 679–694 [Vol. 3, Doc. 21, 459–480; trans. 365–377]

Dated: May 1911 (recd. 1911/05/04; publ. 1911/07/25)

Cited: **2**: *Einstein 1911f* 391n **3**: xxiv, xxv, 459–475, 510n, 514n, 544n, 545n, 546n **5**: 294n, 296n, 303n, 304n, 378n

Einstein 1911h

“Über den Einfluß der Schwerkraft auf die Ausbreitung des Lichtes”

Annalen der Physik 35 (1911): 898–908 [Vol. 3, Doc. 23, 485–497; trans. 379–387]

Dated: June 1911 (recd. 1911/06/21; publ. 1911/09/01)

Cited: **2**: *Einstein 1911g* 274, 487n **3**: xxix, 485–496 **4**: 123, 125, 130, 141, 145n, 163n, 179n, 295, 304, 309, 340n, 485n, 492, 501n, 502n, 510n, 511n **5**: 313n, 316n, 317n, 318n, 323n, 327n, 331n, 356n, 385n, 388n, 394n, 427n, 445n, 496n, 551n, 560n **6**: 130n, 243n, 339n **7**: 112, 177n–178n, 281n **8**: 14n, 147n, 206n, 257n **9**: lii, 33n, 187n, 304n, 403n, 578c

Einstein 1911i

“Die Relativitäts-Theorie”

Naturforschende Gesellschaft in Zürich. Vierteljahrsschrift 56 (1911): 1–14 [Vol. 3, Doc. 17, 424–439; trans. 340–350]

Dated: 16 January 1911 (pres. 1911/01/16; publ. 1911/11/27)

See also *Einstein 1911j*

Cited: **2**: *Einstein 1911* 254, 262, 273 **3**: xxviii, 175n, 424–438 **4**: 103n, 104n, 550n **5**: 265n, 275n, 305n **6**: 417 **7**: 279n–280n **9**: 484n **10**: 273n

Einstein 1911j

Statement on the light quantum hypothesis

Naturforschende Gesellschaft in Zürich. Vierteljahrsschrift 56. Part 2, *Sitzungsberichte* (1911): XVI [Vol. 3, Doc. 20, 456–458; trans. 364]

Dated: 21 February 1911 (pres. 1911/02/21; publ. 1911/04/12)

The statement was made at the conclusion of further discussion of *Einstein 1911i*

Cited: **3**: 456–457

Einstein 1912a

“L’état actuel du problème des chaleurs spécifiques”

La théorie du rayonnement et les quanta. Rapports et discussions de la réunion tenue à Bruxelles, du 30 octobre au 3 novembre 1911, sous les auspices de M. E. Solvay, pp. 407–435. Langevin, Paul, and de Broglie, Maurice, eds. Paris: Gauthier-Villars, 1912

Original French publication of *Einstein 1914a* (pres. 1911/11/03; publ. 1912)

Cited: **2**: *Einstein 1911h* 41 **3**: 544n, 545n, 546n, 548n, 562n **8**: 286n

Einstein 1912b

“Thermodynamische Begründung des photochemischen Äquivalentgesetzes”

Annalen der Physik 37 (1912): 832–838 [Vol. 4, Doc. 2, 114–128; trans. 89–94]

Dated: January 1912 (recd. 1912/01/18; publ. 1912/03/26)

See also *Einstein 1912f*

Cited: **2**: *Einstein 1912a* xxvi, 169n **3**: 546n **4**: 109, 110, 111, 112, 114–121, 166, 170n, 172, 173n, 293n, 624, 626 **5**: 353n, 391n, 395n, 406n, 413n, 419n, 422n, 427n, 438n, 445n, 452n, 454n, 484n, 530n **6**: 370n **8**: 288n **10**: 18n

Einstein 1912c

“Lichtgeschwindigkeit und Statik des Gravitationsfeldes”

Annalen der Physik 38 (1912): 355–369 [Vol. 4, Doc. 3, 129–145; trans. 95–106]

Dated: February 1912 (recd. 1912/02/26; publ. 1912/05/23)

Cited: **2**: *Einstein 1912b* 487n **4**: 104n, 122, 123, 124, 125, 126, 129–144, 155, 158, 159, 163n, 176, 179n, 187n, 193, 202n, 216n, 227n, 304, 340n, 341n, 502n **5**: 309n, 394n, 413n, 419n, 420n, 421n, 429n, 430n, 438n, 452n, 466n, 468n, 479n, 481n, 484n, 486n, 496n, 497n **7**: 178n, 280n–281n **8**: 707n, 829n

Einstein 1912d

“Zur Theorie des statischen Gravitationsfeldes”

Annalen der Physik 38 (1912): 443–458 [Vol. 4, Doc. 4, 146–164; trans. 107–120]

Dated: 23 March 1912 (recd. 1912/03/23; publ. 1912/05/23)

Cited: **4**: 122, 124, 128, 142, 145n, 146–162, 187n, 188n, 193, 194, 202n, 209n, 216n, 304, 340n, 342n, 502n **5**: 429n, 430n, 433n, 434n, 438n, 452n, 455n, 466n, 468n, 479n, 481n, 484n, 486n, 496n, 497n **7**: 178n **8**: 255n

Einstein 1912e

“Gibt es eine Gravitationswirkung, die der elektrodynamischen Induktionswirkung analog ist?”

Vierteljahrsschrift für gerichtliche Medizin und öffentliches Sanitätswesen 44 (1912): 37–40 [Vol. 4, Doc. 7, 174–179; trans. 126–129]

Dated: July 1912 (publ. 1912/07)

Cited: **4**: 122, 127, 174–178, 194, 340n, 437n **6**: xviii **7**: 121n, 576n **8**: 440n

Einstein 1912f

“Nachtrag zu meiner Arbeit: ‘Thermodynamische Begründung des photochemischen Äquivalentgesetzes’”

Annalen der Physik 38 (1912): 881–884 [Vol. 4, Doc. 5, 165–170; trans. 121–124]

Dated: May 1912 (recd. 1912/05/12; publ. 1912/07/12)

Refers to *Einstein 1912b*

Cited: **4**: 109, 112, 121n, 165–169, 293n **5**: 429n, 454n, 460n, 466n **6**: 370n

Einstein 1912g

“Antwort auf eine Bemerkung von J. Stark: ‘Über eine Anwendung des Planckschen Elementargesetzes . . .’”

Annalen der Physik 38 (1912): 888 [Vol. 4, Doc. 6, 171–173; trans. 125]

Dated: 30 May 1912 (recd. 1912/05/30; publ. 1912/07/12)

Cited: **4**: 109, 110, 171–172, 293n **5**: 474n

Einstein 1912h

“Relativität und Gravitation. Erwiderung auf eine Bemerkung von M. Abraham”

Annalen der Physik 38 (1912): 1059–1064 [Vol. 4, Doc. 8, 180–188; trans. 130–134]

Dated: 4 July 1912 (recd. 1912/07/04; publ. 1912/08/13)

See also *Einstein 1912i*

Cited: **4**: 104n, 106n, 122, 124, 126, 180–186, 191n, 195, 299, 340n, 621n **5**: 394n, 498n

Einstein 1912i

“Bemerkung zu Abrahams vorangehender Auseinandersetzung ‘Nochmals Relativität und Gravitation’”

Annalen der Physik 39 (1912): 704 [Vol. 4, Doc. 9, 189–191; trans. 135]

Dated: August 1912 (recd. 1912/09/02; publ. 1912/10/15)

Refers to *Einstein 1912h*

Cited: **4**: 122, 126, 189–190 **5**: 394n

Einstein 1912j

“Professor Einsteins Abgang von Prag”

Neue Freie Presse, 5 August 1912 [Vol. 5, Doc. 414, 499–500; trans. 320–321]

Dated: 3 August 1912 (publ. 1912/08/05)

An excerpted version appeared the same day in *Prager Tageblatt* 37, no. 214

Cited: **5**: 499–500

Einstein 1913a

“Déduction thermodynamique de la loi de l’équivalence photochimique”

Journal de physique 3 (1913): 277–282 [Vol. 4, Doc. 12, 286–293; trans. 146–150]

Dated: 27 March 1913 (pres. 27/03/13; publ. 1913/04)

Cited: **4**: 109, 112, 121n, 286–292 **5**: 519n **6**: 370n

Einstein 1913b

“Max Planck als Forscher”

Die Naturwissenschaften 1 (1913): 1077–1079 [Vol. 4, Doc. 23, 560–565; trans. 271–275]

Dated: 7 November 1913 (publ. 1913/11/07)

Cited: **2**: *Einstein 1913* xxviii, 44, 207, 267 **4**: 560–563 **5**: 40n, 561n **7**: 62n

Einstein 1913c

“Zum gegenwärtigen Stande des Gravitationsproblems”

Physikalische Zeitschrift 14 (1913): 1249–1262 [Vol. 4, Doc. 17, 486–503; trans. 198–222]

Dated: 23 September 1913 (pres. 1913/09/23; publ. 1913/12/15)

The same version was also published as *Einstein 1914b*. See also *Einstein et al. 1913* and *Einstein 1914c*

Cited: **4**: 126, 145n, 179n, 194, 295, 297, 299, 341n, 342n, 353, 358, 401n, 413n, 433n, 435n, 437n, 471n, 485n, 486–500, 510n, 570n, 577n, 578n, 581, 582n, 587n, 589, 591, 597n, 621n, 622n, 628 **5**: 523n, 532n, 544n, 550n, 551n, 556n, 571n, 594n, 597n **6**: 18n, 129n, 408n **7**: xxix, 121n–122n **8**: 101n, 165n, 301n, 305n, 361n, 440n, 463n, 694n **9**: 257n, 445n

Einstein 1913d

“Gravitationstheorie”

Schweizerische Naturforschende Gesellschaft. Verhandlungen 96, part 2 (1913): 137–138 [Vol. 4, Doc. 15, 474–476; trans. 190–191]

Dated: 9 September 1913 (pres. 1913/09/09; publ. 1913)

For a more detailed version of the lecture, see *Einstein 1914g*

Cited: **4**: 295, 297, 474–476, 477n, 484n **5**: 553n, 555n, 560n, 564n, 571n

Einstein 1914a

“Zum gegenwärtigen Stande des Problems der spezifischen Wärme”

Die Theorie der Strahlung und der Quanten. Verhandlungen auf einer von E. Solvay einberufenen Zusammenkunft (30. Oktober bis 3. Nov 1911). Mit einem Anhang über die Entwicklung der Quantentheorie vom Herbst 1911 bis Sommer 1913, pp. 330–352. Eucken, Arnold, ed. Halle a.S.: Knapp, 1914.

(*Abhandlungen der Deutschen Bunsen Gesellschaft für angewandte physikalische Chemie* 3, no. 7.) [Vol. 3, Doc. 26, 520–548; trans. 402–425]

Dated: 3 November 1911 (pres. 1911/11/03)

German version of *Einstein 1912a*; see also *Einstein et al. 1914a*

Cited: **3**: *Einstein 1914* xxi, xxvi, 242n, 253n, 421n, 455n, 458n, 476n, 477n, 507n, 513n, 514n, 515n, 520–543, 544n, 562n **4**: 111, 271, 285n, 565n, 625 **5**: 129n, 261n, 283n, 322n, 339n, 360n, 382n, 580n **6**: 261n, 370n **8**: 286n **10**: 304n

Einstein 1914b

“Zum gegenwärtigen Stande des Gravitationsproblems”

Verhandlungen der Gesellschaft deutscher Naturforscher und Ärzte. 85. *Versammlung zu Wien vom 21. bis 28. September 1913*. Part 2, sec. 1. Alexander Witting, ed. Leipzig: Vogel, 1914, 3–24

Republication of *Einstein 1913c*; see also *Einstein et al. 1914b*

Cited: **4**: 486n **5**, **6**

Einstein 1914c

“Nachträgliche Antwort auf eine Frage von Herrn Reißner”

Physikalische Zeitschrift 15 (1914): 108–110 [Vol. 4, Doc. 24, 566–570; trans. 276–281]

Dated: 11 December 1913 (recd. 1913/12/11; publ. 1914/01/15)

Refers to *Einstein 1913c* and *Einstein et al. 1913*

Cited: **4**: 298, 341n, 502n, 510n, 511n, 566–569, 575, 578n, 627 **5**: 589n, 604n **6**, **8**: 141n

Einstein 1914d

“Bemerkungen”

Zeitschrift für Mathematik und Physik 62 (1914): 260–261 [Vol. 4, Doc. 26, 579–582; trans. 289–290]

Dated: 30 January 1914 (publ. 1914/01/30)

Refers to *Einstein and Grossmann 1914a*

Cited: **4**: 297, 342n, 485n, 502n, 503n, 577n, 579–581, 622n **5**: 564n, 604n **6**: 8, 10, 18n, 130n **8**: 682n

Einstein 1914e

“Prinzipielles zur verallgemeinerten Relativitätstheorie und Gravitationstheorie”

Physikalische Zeitschrift 15 (1914): 176–180 [Vol. 4, Doc. 25, 571–578; trans. 282–288]

Dated: January 1914 (recd. 1914/01/24; publ. 1914/02/15)

Cited: **4**: 298, 485n, 503n, 510n, 571–576, 582n, 621n **5**: 551n, 564n, 584n, 586n, 589n, 594n, 597n, 604n
6: 18n, 129n, 130n

Einstein 1914f

“Méthode pour la détermination de valeurs statistiques d’observations concernant des grandeurs soumises à des fluctuations irrégulières”

Archives des sciences physiques et naturelles 37 (1914): 254–256 [Vol. 4, Doc. 29, 598–602; trans. 300–301]

Dated: 28 February 1914 (pres. 1914/02/28; publ. 1914/03/15)

Cited: **2**: *Einstein 1914a* 215 **4**: 598–601 **5**: 599n, 603n **6**

Einstein 1914g

“Physikalische Grundlagen einer Gravitationstheorie”

Naturforschende Gesellschaft in Zürich. Vierteljahrsschrift 58 (1914): 284–290 [Vol. 4, Doc. 16, 477–485; trans. 192–197]

Dated: 9 September 1913 (pres. 1913/09/09; publ. 1913/03/16)

For a summary of the lecture, see *Einstein 1913d*. Reprinted in French translation in *Archives des sciences physiques et naturelles* 37 (1914): 5–12; and in *Bulletin de la Société astronomique de France* 31 (1917): 407–411

Cited: **4**: 297, 474n, 476n, 477–484, 503n, 582n, 622n **5**: 553n, 555n, 560n, 564n, 571n, 584n **6**

Einstein 1914h

“Vom Relativitäts-Prinzip”

Vossische Zeitung, 26 April 1914, Morning Edition [Vol. 4, Doc. 31, 608–622; trans. 306–314]

Dated: 26 April 1914 (publ. 1914/05/01)

Cited: **6**: 3–4, 5n, 417 **8**: 17n, 31n **9**: 15n

Einstein 1914i

“Zum Relativitäts-Problem”

Scientia 15 (1914): 337–348 [Vol. 6, Doc. 1, 3–5; trans. 306–314]

Dated: March 1914 (publ. 1914/04/26)

A French translation appeared in a supplement to the same volume, *Scientia* 15 (1914): 139–150 (*Einstein 1914j*)

Cited: **4**: *Einstein 1914h* xviii, 127, 298, 300, 502n, 608–620 **5**: 584n, 596n **6**: *Einstein 1914i* 282 **8**: *Einstein 1914i* 84n **10**: 120n

Einstein 1914j

“Sur le problème de la relativité”

Scientia 15 (1914) (Supplément): 139–150

French version of *Einstein 1914i*

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Einstein 1914k

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Dated: 2 July 1914 (pres. 1914/07/02; publ. 1914/07/09)

Cited: **2**: *Einstein 1914b* xxviii e **6**: 19–23, 130n **7**: xxxiv, 62n, 220n **8**: 41n, 76n

Einstein 1914l

“Bemerkungen zu P. Harzers Abhandlung: ‘Über die Mitführung des Lichtes in Glas und die Aberration’”

Astronomische Nachrichten 199 (1914): cols. 7–10 [Vol. 4, Doc. 27, 583–587; trans. 291–292]

Dated: 9 February 1914 (pres. 1914/02/09; publ. 1914/12/31)

Cited: **6**: 25–27, 43n **9**: 209n

Einstein 1914m

“Antwort auf eine Replik Paul Harzers”

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Dated: 18 August 1914 (publ. 1914/08/29)

Cited: **6**: 28n, 41–42 **9**: 209n

Einstein 1914n

“Beiträge zur Quantentheorie”

Deutsche Physikalische Gesellschaft. Verhandlungen 16 (1914): 820–828 [Vol. 6, Doc. 5, 29–40; trans. 20–26]

Dated: 24 July 1914 (pres. 1914/07/24; publ. 1914/08/30)

Cited: **4**: *Einstein 1914j* 113 **5**: *Einstein 1914j* 419n **6**: xxiii, 29–38, 261n, 262n **8**: 42n, 55n, 66n, 263n, 555n, 865n, 866n **9**: 418n **10**: 24n, 485n, 549n

Einstein 1914o

“Die formale Grundlage der allgemeinen Relativitätstheorie”

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357n, 416n **7**: 42n, 177n, 180n, 574n **8**: 41n, 55n, 64n, 74n, 75n, 78n, 84n, 97n, 100n, 102n, 109n, 113n, 120n, 122n, 125n, 142n, 147n, 161n, 164n, 177n, 184n, 186n, 191n, 192n, 195n, 196n, 208n, 229n, 244n, 278n, 309n, 335n, 361n, 384n, 483n, 567n, 624n, 689n **9**: 362n **10**: 25n, 27n, 29n

Einstein 1914p

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Cited: **6**: 131–132, 417

Einstein 1914q

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Dated: 27 November 1914 (publ. 1914/11/27)

Cited: **6**: 134–135, 417

Einstein 1914r

“Zur Theorie der Gravitation”

Naturforschende Gesellschaft in Zürich. Vierteljahrsschrift 59. Part 2, *Sitzungsberichte* (1914): IV–VI [Vol. 4, Doc. 27, 583–587; trans. 291–292]

Dated: 9 February 1914 (publ. 1914/12/31)

Cited: **4**: *Einstein 1914l* 295, 583–586, 621n **5**: *Einstein 1914l* 584n, 599n **6**: *Einstein 1914r*

Einstein 1915a

“Theoretische Atomistik”

Die Kultur der Gegenwart. Ihre Entwicklung und ihre Ziele. Hinneberg, Paul, ed. Part 3, sec. 3, vol. 1, *Physik*, pp. 251–263. Warburg, Emil, ed. Leipzig: Teubner, 1915 [Vol. 4, Doc. 20, 520–534; trans. 232–245]

Dated: before 21 October 1913 (recd. before 1913/10/21; publ. 1915)

Cited: **2**: 41, 47, 53, 97n, 176, 217–218 **3**: 7, 242n **4**: 520–533, 550n **5**: 597n **8**: 84n **9**: 276n

Einstein 1915b

“Die Relativitätstheorie”

Die Kultur der Gegenwart. Ihre Entwicklung und ihre Ziele. Hinneberg, Paul, ed. Part 3, sec. 3, vol. 1, *Physik*, pp. 703–713. Warburg, Emil, ed. Leipzig: Teubner, 1915 [Vol. 4, Doc. 21, 535–551; trans. 246–263]

Dated: before 21 October 1913 (recd. before 1913/10/21 and after 24 October 1924; publ. 1915 and 1925)

Cited: **4**: 535–550, 550n **5**: 597n **6**: 5n, 67n, 417 **7**: 279n **8**: 74n, 84n, 868n **10**: 273n

Einstein 1915c

“Experimenteller Nachweis der Ampèreschen Molekularströme”

Die Naturwissenschaften 3 (1915): 237–238 [Vol. 6, Doc. 15, 190–193]

Dated: 7 May 1915 (publ. 1915/05/07)

Cited: **6**: 145, 146, 190–192, 232n **8**: 63n, 92n, 128n, 201n, 209n **10**: 304n

Einstein 1915d

“Berichtigung zu meiner gemeinsam mit Herrn J. W. de Haas veröffentlichten Arbeit ‘Experimenteller Nachweis der Ampèreschen Molekularströme’”

Deutsche Physikalische Gesellschaft. Verhandlungen 17 (1915): 203 [Vol. 6, Doc. 16, 194–196]

Dated: 10 May 1915 (recd. 1915/05/10; publ. 1915/05/30)

Refers to *Einstein and De Haas 1915a*

Cited: **6**: 145, 170n, 189n, 194–195 **8**: 124n, 128n

Einstein 1915e

“Antwort auf eine Abhandlung M. v. Laues ‘Ein Satz der Wahrscheinlichkeitsrechnung und seine Anwendung auf die Strahlungstheorie’”

Annalen der Physik 47 (1915): 879–885 [Vol. 6, Doc. 18, 198–206; trans. 88–94]

Dated: 24 June 1915 (recd. 1915/06/24; publ. 1915/09/03)

Cited: **3**: *Einstein 1915b* 268n **6**: 198–205, 206n **8**: 133n

Einstein 1915f

“Zur allgemeinen Relativitätstheorie”

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See also *Einstein 1915g*

Cited: **2**: *Einstein 1915b* 254 **4**: *Einstein 1915c* 198, 254n **6**: xv, xvii, xviii, xix, 130n, 214–223, 226, 229n, 243n, 245, 247, 249n, 338n **7**: 103, 574n **8**: 164n, 186n, 190n, 191n, 195n, 197n, 201n, 202n, 206n, 208n, 209n, 211n, 217n, 218n, 231n, 236n, 237n, 244n, 254n, 266n, 313n, 315n, 624n, 699n **9**: 67n, 268n **10**: 34n, 38n, 63n

Einstein 1915g

“Zur allgemeinen Relativitätstheorie (Nachtrag)”

Königlich Preußische Akademie der Wissenschaften (Berlin). *Sitzungsberichte* (1915): 799–801 [Vol. 6, Doc. 22, 225–229; trans. 108–110]

Dated: 11 November 1915 (pres. 1915/11/11; publ. 1915/11/18)

Refers to *Einstein 1915f*

Cited: **6**: xv, xviii, 224n, 225–228, 243n, 245, 249n, 338n **7**: 103, 139n **8**: 195n, 201n, 202n, 206n, 208n, 211n, 217n, 218n, 221n, 229n, 231n, 236n, 624n **9**: 268n **10**: 34n, 35n, 38n, 482n

Einstein 1915h

“Erklärung der Perihelbewegung des Merkur aus der allgemeinen Relativitätstheorie”

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Dated: 18 November 1915 (subm. 1915/11/18; publ. 1915/11/25)

Cited: **3**: *Einstein 1915c* 497n **4**: *Einstein 1915d* 344, 346, 350, 351, 393n, 473n, 485n **5**: *Einstein 1915c* 551n **6**: xv, xix, 234–242, 249n, 337, 338n, 339n, 348, 357n, 538n, 552n **7**: 103, 121n, 181n, 189n, 281n, 349n, 575n **8**: 178n, 201n, 206n, 209n, 211n, 212n, 216n, 217n, 218n, 221n, 225n, 231n, 232n, 266n, 289n, 302n, 304n, 314n, 437n **9**: lii, 187n, 229n, 245n, 268n, 304n, 524n **10**: 35n, 38n, 57

Einstein 1915i

“Die Feldgleichungen der Gravitation”

Königlich Preußische Akademie der Wissenschaften (Berlin). *Sitzungsberichte* (1915): 844–847 [Vol. 6, Doc. 25, 244–249; trans. 117–120]

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Cited: **4**: *Einstein 1915* 294, 341n, 344 **6**: xv, xviii, 224n, 234, 244–248, 357n, 338n, 398n **7**: 43n, 103, 139n **8**: 206n, 209n, 211n, 217n, 218n, 229n, 231n, 236n, 237n, 244n, 247n, 249n, 254n, 289n, 304n, 306n, 309n, 311n, 313n, 624n, 694n, 698n, 753n **9**: 268n, 524n **10**: 35n, 38n

Einstein 1916a

“Meine Meinung über den Krieg”

Das Land Goethes 1914–1916. Ein vaterländisches Gedenkbuch. Herausgegeben vom Berliner Goethebund, p. 30. Stuttgart, Berlin: Deutsche Verlags-Anstalt, 1916 [Vol. 6, Doc. 20, 211–213; trans. 96–97]

Dated: 23 October–11 November 1915 (subm. between 23 October and 11 November 1915)

Cited: **6**: 213n **8**: 188n, 194n

Einstein 1916b

“Eine neue formale Deutung der Maxwellschen Feldgleichungen der

Elektrodynamik”

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Dated: 3 February 1916 (subm. 1916/02/03; publ. 1916/02/10)

Cited: **6**: 130n, 263–268, 339n **7**: 100n, 139n, 179n, 572n **8**: 177n, 186n

Einstein 1916c

“Ernst Mach”

Physikalische Zeitschrift 17 (1916): 101–104 [Vol. 6, Doc. 29, 277–282; trans. 141–145]

Dated: 14 March 1916 (recd. 1916/03/14; publ. 1916/04/01)

Cited: **2**: 46 **6**: xviii, 129n, 277–281, 338n, 417, 537n, 552n **7**: 103, 279n–280n **8**: 17n, 221n, 299n, 395n, 404n, 432n

Einstein 1916d

“Ein einfaches Experiment zum Nachweis der Ampèreschen Molekularströme”

Deutsche Physikalische Gesellschaft. Verhandlungen 18 (1916): 173–177 [Vol. 6, Doc. 28, 270–276; trans. 138–140]

Dated: 25 February 1916 (pres. 1916/02/25; publ. 1916/04/15)

Cited: **6**: 145, 270–275 **8**: 163n, 176n, 186n, 198n, 261n, 270n, 1010 **10**: 40n, 304n

Einstein 1916e

“Die Grundlage der allgemeinen Relativitätstheorie”

Annalen der Physik 49 (1916): 769–822 [Vol. 6, Doc. 30, 283–339; trans. 146–200]

Dated: 20 March 1916 (recd. 1916/03/20; publ. 1916/05/11)

Published in book form as *Einstein 1916f*

Cited: **4**: *Einstein 1916a* 144n **6**: xvi, xix, xx, 243n, 282n, 283–337, 345n, 346n, 357n, 380n, 416n, 535n, 536n, 538n, 552n **7**: xxiv, 14, 26n, 36n, 42n–43n, 76n, 100n, 103, 139n, 177n–181n, 281n, 322n, 378n, 571n, 573n–574n **8**: 229n, 249n, 254n, 255n, 267n, 275n, 286n, 288n, 289n, 299n, 302n, 305n, 306n, 320n, 326n, 359n, 362n, 366n, 404n, 418n, 421n, 437n, 495n, 500n, 522n, 536n, 557n, 579n, 587n, 588n, 624n, 628n, 634n, 641n, 647n, 689n **9**: lii, 116n, 258n, 291n, 381n, 403n, 407n, 412n, 433n **10**: 40n, 50n, 57n, 301n, 392n, 484n

Einstein 1916f

Die Grundlage der allgemeinen Relativitätstheorie

Leipzig: Barth, 1916

Book version of *Einstein 1916e*

Cited: **6**: 338n, 380n, 535n **8**: 275n, 289n, 557n, 588n, 641n **9**: liii, 116n, 291n, 310n, 381n, 403n, 407n, 412n, 433n, 516n, 554c, 588c, 589c, 591c, 608c, 610c **10**: 118n, 327n, 573c, 596c

Einstein 1916g

“Näherungsweise Integration der Feldgleichungen der Gravitation”
Königlich Preußische Akademie der Wissenschaften (Berlin). *Sitzungsberichte* (1916): 688–696 [Vol. 6, Doc. 32, 347–357; trans. 201–210]
 Dated: 22 June 1916 (subm. 1916/06/22; publ. 1916/06/29)

Cited: **6**: xix, 347–356, 552n **7**: xxiii–xxv, xxvii, 12, 15, 22, 26n–27n, 574n **8**: 266n, 301n, 302n, 314n, 331n, 366n, 375n, 483n, 523n, 536n, 554n, 560n, 588n, 753n **9**: 258n **10**: 45n, 48n, 64n

Einstein 1916h

“Gedächtnisrede des Hrn. Einstein auf Karl Schwarzschild”
Königlich Preußische Akademie der Wissenschaften (Berlin). *Sitzungsberichte* (1916): 768–770 [Vol. 6, Doc. 33, 358–362]
 Dated: 29 June 1916 (pres. 1916/06/29; publ. 1916/07/06)

Cited: **6**: 358–361, 567n **8**: 288n

Einstein 1916i

“Vorwort”
 Freundlich, Erwin. *Die Grundlagen der Einsteinschen Gravitationstheorie*.
 Berlin: Springer, 1916 [Vol. 6, Doc. 35, 371–373]
 Dated: ca. August 1916 (publ. ca. 1916/08)

Cited: **6**: 39n, 371–372, 380n, 417 **9**: 159n

Einstein 1916j

“Strahlungs-Emission und -Absorption nach der Quantentheorie”
Deutsche Physikalische Gesellschaft. Verhandlungen 18 (1916): 318–323
 [Vol. 6, Doc. 34, 363–370; trans. 212–216]
 Dated: 17 July 1916 (recd. 1916/07/17; publ. 1916/07/30)

Cited: **2**: *Einstein 1916a* 41, 54 **4**: *Einstein 1916b* 113 **6**: xvi, xxiii, 363–369, 382, 398n **7**: xxviii **8**: 331n, 333n **9**: 390n, 467n **10**: 45n, 50n, 349n, 352n

Einstein 1916k

Review of H. A. Lorentz, *Les théories statistiques en thermodynamique. Conférences faites au Collège de France en novembre 1912*. Dunoyer, L., ed.
 Leipzig: Teubner, 1916
Die Naturwissenschaften 4 (1916): 480–481 [Vol. 6, Doc. 36, 374–377;

trans. 218]

Dated: 11 August 1916 (publ. 1916/08/11)

Cited: **6**: 374–376 **8**: 286n **10**: 352n

Einstein 1916l

“Selbstanzeige”

Die Naturwissenschaften 4 (1916): 481 [Vol. 6, Doc. 37, 378–380]

Dated: 11 August 1916 (publ. 1916/08/11)

Refers to *Einstein 1916f*

Cited: **6**: 378–379

Einstein 1916m

“Elementare Theorie der Wasserwellen und des Fluges”

Die Naturwissenschaften 4 (1916): 509–510 [Vol. 6, Doc. 39, 399–402; trans. 234–236]

Dated: 25 August 1916 (publ. 1916/08/25)

Cited: **6**: 399–401 **8**: 288n **10**: 45n, 48n, 106n

Einstein 1916n

“Zur Quantentheorie der Strahlung”

Physikalische Gesellschaft Zürich. Mitteilungen 18 (1916): 47–62 [Vol. 6, Doc. 38, 381–398; trans. 220–233]

Dated: after 24 August 1916 (publ. after 1916/08/24)

Cited: **2**: *Einstein 1916b* 41, 54, 583n **4**: *Einstein 1916c* 113 **6**: *Einstein 1916n* xvi, xxiii, xxiv, 39n, 370n, 381–397 **7**: *Einstein 1916n* xxviii **8**: *Einstein 1916n* 330n, 331n, 333n, 392n, 402n, 462n, 588n **9**: *Einstein 1916n* 374n **10**: *Einstein 1916n* .

Einstein 1916o

“Hamiltonsches Prinzip und allgemeine Relativitätstheorie”

Königlich Preußische Akademie der Wissenschaften (Berlin). Sitzungsberichte (1916): 1111–1116 [Vol. 6, Doc. 41, 409–416; trans. 240–246]

Dated: 26 October 1916 (subm. 1911/10/26; publ. 1916/11/02)

Cited: **6**: xix, 130n, 346n, 409–415 **7**: 26n, 30, 32n, 64, 76n, 139n, 177n, 180n–181n **8**: 184n, 249n, 319n, 320n, 347n, 350n, 361n, 362n, 364n, 366n, 370n, 374n, 380n, 500n, 522n, 523n, 554n, 579n, 588n, 675n, 689n, 699n, 716n, 835n **9**: 403n **10**: 56n, 64n

Einstein 1916p

“Über Friedrich Kottlers Abhandlung ‘Über Einsteins Äquivalenzhypothese

und die Gravitation”

Annalen der Physik 51 (1916): 639–642 [Vol. 6, Doc. 40, 403–408; trans. 237–239]

Dated: October 1916 (recd. 1916/10/19; publ. 1916/12/21)

Cited: 6: 129n, 338n, 403–407, 537n 7: 42n, 371n 8: 345n, 347n, 708n

Einstein 1917a

Über die spezielle und die allgemeine Relativitätstheorie (Gemeinverständlich)

Braunschweig: Vieweg, 1917 [Vol. 6, Doc. 42, 420–539; trans. 247–420]

Dated: December 1916 (publ. 1917)

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Einstein 1917b

“Kosmologische Betrachtungen zur allgemeinen Relativitätstheorie”

Königlich Preußische Akademie der Wissenschaften (Berlin). Sitzungsberichte (1917): 142–152 [Vol. 6, Doc. 43, 540–552; trans. 421–432]

Dated: 8 February 1917 (subm. 1917/02/08; publ. 1917/02/15)

Cited: 6: xix, xx, 539n, 540–551 7: xxiv, xxviii, 12, 26n, 36n, 40, 42n–44n, 49n, 73, 76n–77n, 121n, 139n–140n, 142, 146n, 177n, 181n–183n, 189n, 371n, 404n–405n, 424n, 457n, 576n 8: 288n, 352, 357n, 360n, 386n, 387n, 391n, 392n, 393n, 402n, 407n, 413n, 414n, 416n, 417n, 418n, 426n, 430n, 431n, 433n, 440n, 467n, 474n, 479n, 484n, 485n, 495n, 498n, 500n, 522n, 554n, 557n, 574n, 576n, 578n, 607n, 613n, 628n, 633n, 634n, 641n, 647n, 652n, 653n, 662n, 689n, 693n, 694n, 725n, 734n, 753n, 754n, 757n, 780n, 783n, 788n, 808n, 829n, 1017 9: 101n, 102n, 112n, 113n, 119n, 268n, 279n, 403n 10: 64n, 69n, 71n, 479n

Einstein 1917c

“Zur Quantentheorie der Strahlung”

Physikalische Zeitschrift 18 (1917): 121–128 (recd. 1917/03/03; publ. 1917/03/15)

Republication of *Einstein 1916n*

Cited: 6: xxiii, 398n 8: 330n, 462n, 464n, 588n

Einstein 1917d

“Zum Quantensatz von Sommerfeld und Epstein”

Deutsche Physikalische Gesellschaft. Verhandlungen 19 (1917): 82–92

[Vol. 6, Doc. 45, 555–567; trans. 434–443]

Dated: 11 May 1917 (pres. 1917/05/11; publ. 1917/05/30)

Cited: **6**: xxv, 555–566, 575n **8**: 379n, 387n, 388n, 442n, 454n, 458n, 466n, 478n, 529n, 757n **9**: liii, 406n
10: 83n, 86n, 245n

Einstein 1917e

Review of H. v. Helmholtz, *Zwei Vorträge über Goethe*. Braunschweig: Vieweg, 1917

Die Naturwissenschaften 5 (1917): 82–92 [Vol. 6, Doc. 46, 568–570]

Dated: 2 November 1917 (publ. 1917/11/02)

Cited: **6**: 568–569

Einstein 1917f

“Eine Ableitung des Theorems von Jacobi”

Königlich Preußische Akademie der Wissenschaften (Berlin). Sitzungsberichte (1917): 606–608 [Vol. 6, Doc. 47, 571–575; trans. 445–447]

Dated: 22 November 1917 (pres. 1917/11/22; publ. 1917/11/29)

Cited: **6**: 567n, 571–574 **8**: 442n, 531n **9**: 592c **10**: 83n

Einstein 1917g

“Marian v. Smoluchowski”

Die Naturwissenschaften 5 (1917): 737–738 [Vol. 6, Doc. 48, 576–579]

Dated: 14 December 1917 (publ. 1917/12/14)

Cited: **2**: *Einstein 1917b* 216 **3**: *Einstein 1917* 7, 284 **6**: 576–578 **8**: 514n, 551n **10**: 135n

Einstein 1917h

“Der Angst-Traum”

Berliner Tageblatt, 25 December 1917 [Vol. 6, Doc. 49, 580–582; trans. 449]

Dated: 25 December 1917 (publ. 1917/12/25)

Cited: **6**: xv, 580–581 **7**: 337n **9**: 324n **10**: 373n

Einstein 1918a

“Über Gravitationswellen”

Königlich Preußische Akademie der Wissenschaften (Berlin). Sitzungs-

berichte (1918): 154–167 [Vol. 7, Doc. 1, 11–28; trans. 9–27]

Dated: 31 January 1918 (subm. 1918/01/31; publ. 1918/02/21)

Cited: **6**: *Einstein 1918* 66n, 357n **7**: xxiii–xxv, xxvii, 11–25, 32n, 43n, 76n, 139n, 177n, 181n, 574n
8: 442n, 500n, 523n, 524n, 536n, 588n, 612n, 682n, 689n, 699n, 707n, 708n, 716n, 753n

Einstein 1918b

“Notiz zu E. Schrödingers Arbeit ‘Die Energiekomponenten des Gravitationsfeldes’”

Physikalische Zeitschrift 19 (1918): 115–116 [Vol. 7, Doc. 2, 29–32; trans. 28–30]

Dated: 5 February 1918 (recd. 1918/02/05; publ. 1918/03/15)

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Einstein 1918c

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551n, 553n, 563n, 571n, 584n, 598n, 604n **6**: xvi, 7, 9, 17, 18n, 129n, 130n, 243n, 338n, 408n **7**: 26n, 42n, 121n, 180n, 456n, 576n **8**: 180n, 184n, 208n, 255n, 361n, 436n, 624n, 682n, 1033 **9**: 462n **10**: 21n, 38n

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6 Jul 1908	5, 109 E	5 Apr 1920	9, C E
9 Jul 1908	5, 110	7 May 1920	10, C
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13 Jul 1920	10, C	Hasse, Max	
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CHRONOLOGY, 1879–1920

This chronology contains references to: (1) significant events in Einstein's life; (2) Einstein's previously published and unpublished writings that appear in the *Writings* series of this edition. In the case of published papers, the date refers to receipt by a journal, unless otherwise indicated; (3) Einstein's lectures, courses, attendance at significant academic, administrative, or other gatherings, and his travels; (4) major political events; (5) interviews with Einstein. Newspaper titles without a date refer to the issue published on the date of the entry. All excerpts and quotations are rendered in English. For the original texts and their bibliographic references, see the respective calendars in the documentary edition.

The following abbreviations are used:

- DPG Deutsche Physikalische Gesellschaft (German Physical Society)
ETH Eidgenössische Technische Hochschule (Swiss Federal Polytechnic)
GDNÄ Gesellschaft Deutscher Naturforscher und Ärzte (Society of German Scientists and Physicians)
KWG Kaiser-Wilhelm-Gesellschaft (Kaiser Wilhelm Society)
KWIP Kaiser-Wilhelm-Institut für Physik (Kaiser Wilhelm Institute of Physics)
M German marks
PAW Preußische Akademie der Wissenschaften (Prussian Academy of Sciences)

1879

- Mar 14 Albert Einstein is born to Pauline (Koch) Einstein and Hermann Einstein at Bahnhofstr. B 135 in Ulm, Germany.

1880

- Jun 21 The Einstein family registers its residence at Müllerstr. 3, third floor, in Munich.

1880–1881

“It is true that my parents were worried because I started to talk only at a late age and they consulted a physician” (Einstein to Sybille Blinoff, 21 May 1954). On 1 July 1881, however, his grandmother Pauline Koch notes his “funny ideas” (*Hoffmann 1976*, p. 22).

1881

- Nov 18 Maria (Maja) Einstein, Einstein's only sibling, is born in Munich.

1883–1884

“A wonder . . . I experienced as a child of 4 or 5 years, when my father showed me a compass. . . . I can still remember—or at least I believe I can remember—that this experience made a deep and lasting impression upon me” (*Einstein 1979*, p. 8).

1884–1885

Receives private instruction at home. He is still under the age for admission to a Munich public primary school.

1885

Mar 31

The Einstein family registers at Rengerweg 14 (later renamed Adlzreiterstr.), first floor, in the Sendling district of Munich.

ca. Oct 1

Enters the Petersschule on Blumenstr., a Catholic primary school, probably beginning in the second grade. Private Jewish religious instruction also begins, leading “to a deep religiosity, which, however, found an abrupt ending at the age of 12” (*Einstein 1979*, p. 2).

1885–1893

“I had violin lessons between the ages of 6 & 14. . . . I only learned something at the age of 13, after I fell in love mostly with Mozart’s sonatas” (Einstein to Philipp Frank, draft letter, 1940).

1886

ca. Oct 1

Enters class IIIa of the Petersschule. The class has 70 pupils.

Nov 12

Is transferred to class IIIb.

1887

ca. Oct 1

Enters class IVb, which has 71 pupils.

1888

Sep 26

Entrance examinations in religion, German, and arithmetic are held at the Luitpold-Gymnasium in Munich.

Oct 1

Enters the first year of the nine-year Luitpold-Gymnasium. The school year consists of a winter and a summer semester, and lasts from 1 October to 8 August (10 September to 14 July as of 1891).

1889

Fall

Medical student Max Talmey meets Einstein at his parents' home. They become close friends, and in the ensuing five years they discuss a number of mathematical, scientific, and philosophical topics.

ca. 1891

"At the age of 12 I experienced a second wonder . . . in a little book dealing with Euclidean plane geometry. . ." (*Einstein 1979*, p. 8).

1891–1895

"At the age of 12–16, I familiarized myself with the elements of mathematics together with the principles of differential and integral calculus. . . . I also had the good fortune of getting to know the essential results and methods of the entire field of the natural sciences in an excellent popular exposition. . ." (*Einstein 1979*, p. 12).

1894

Jun 1

The Einstein family registers temporarily in Planegg (near Munich), prior to moving to Milan. Einstein stays in Munich to finish high school.

Sep 10

Begins his seventh year at the Luitpold-Gymnasium.

Dec 29

Withdraws from the Luitpold-Gymnasium. Travels to Milan, where he joins his family at their home on via Berchet 2. Begins preparation for the entrance examinations to the Eidgenössische Polytechnische Schule (ETH) in Zurich.

1895

Summer

Vacations with his family at Airolo, south of the Gotthard Pass. The family moves to via Foscolo 11 in Pavia. Einstein visits friends in Casteggio (near Pavia) and hikes across the Ligurian Alps to visit relatives in Genoa.

Oct 8

The entrance examinations to the ETH begin. Einstein is permitted to take the examinations, although he is two years under the regular age of admission.

Oct 14

The results of the ETH entrance examination are announced. Einstein is not admitted that year. He is advised to finish his secondary schooling in the Aargau Kantonschule in Aarau.

Oct 26 Enrolls as a third-year pupil in the Technical School of the Aargau Kantonsschule three days after the third quarter started. While living in Aarau, he boards with the Winteler family.

Dec 23 The third quarter at the Kantonsschule ends. Einstein spends the Christmas holidays with the Winteler family.

1895–1896

“During this year in Aarau, the following question occurred to me: If one pursues a beam of light with the velocity c (velocity of light in a vacuum) one should observe such a beam of light as a spatially oscillatory electromagnetic field at rest. However, there seems to be no such thing! This was the first childlike thought experiment, that was concerned with the special theory of relativity . . .” (*Einstein 1955*, p. 146).

1896

Jan 7 The fourth quarter at the Kantonsschule begins.

Jan 28 Released from Württemberg citizenship at his request, with his father’s consent. He remains stateless for five years.

Apr 6–8 Takes the third-year examinations at the Kantonsschule. The school year ends on 8 April. Einstein spends spring break with his family in Pavia.

Apr 29 The first quarter at the Kantonsschule begins. Einstein enters the fourth and final year.

Jun 24–26 Visits the Säntis massif in northeastern Switzerland during a school field trip.

Jul 9 The first quarter at the Kantonsschule ends. Einstein spends the summer holidays with his family in Pavia.

Aug 7 The second quarter at the Kantonsschule begins.

Fall The Einstein family returns to Milan, where they live at via Bigli 21.

Sep 18, 19, 21 Takes the written *Matura* (high-school leaving) examinations at the Kantonsschule.

Sep 30 Takes the oral *Matura* examinations.

Oct 3 Is awarded the *Matura* certificate.

Oct 5–10 Reports to the director of the ETH for enrollment in section VI A.

Oct 12	Winter semester at ETH begins. Classes start on 20 October. “I had also already studied some theoretical physics when, . . . , I entered the Polytechnic Institute of Zurich” (<i>Einstein 1979</i> , p. 14). During this semester, Einstein meets fellow student Mileva Marić.
Oct 29	Registers at Unionstr. 4 in Zurich, where he boards with Henriette Hägi.
Dec 21	Winter vacation begins. Einstein spends the holidays with his family in Milan.
1897	
Jan 2	Classes at the ETH resume.
Mar 20	Classes at the ETH end. The winter semester ends on 27 March. Einstein spends the semester break with his family in Milan.
Apr 20	Summer semester at the ETH begins and classes start.
Jul 31	Classes at the ETH end. The summer semester ends on 5 August.
Oct 11	Winter semester at the ETH begins. Classes start on 19 October.
Dec 23	Winter vacation begins.
1898	
Jan 3	Classes at the ETH resume.
Mar 12	Classes at the ETH end. Winter semester ends on 19 March.
Apr 12	Summer semester at the ETH begins and classes start.
Jul 30	Classes at the ETH end. Summer semester ends on 4 August.
Sep 17	Registers at Klosbachstr. 87 in Zurich, where he rooms in the house of Stephanie Markwalder.
Oct 3	Start of the oral intermediate examination for the <i>Diplom</i> , which Einstein passes.
Oct 10	Winter semester at the ETH begins. Classes start on 18 October.
Dec 24	Winter vacation begins.
1899	
Jan 7	Classes at the ETH resume.

Mar 11	Classes at the ETH end. Winter semester ends on 18 March. Einstein spends the intersession with his family in Milan.
Apr 10	The summer semester at the ETH begins and classes start.
Jul 29	Classes at the ETH end. Summer semester ends on 3 Aug.
Aug 1–Sep 11	Spends the summer holidays with his mother, sister, and aunt in Mettmenstetten, climbs the Säntis with Maja, and visits Aarau.
Sep 11	Travels to Milan with his mother and sister.
Oct 9	Winter semester at the ETH begins. Classes start on 17 October.
Oct 16	Accompanies his sister to Aarau, where she enters the Teachers' College for Women as a second-year pupil, and then proceeds to Zurich.
Oct 19	Applies for Swiss citizenship.
Nov 9	Registers at Unionstr. 4 in Zurich, where he again rooms in the house of Henriette Hägi.
Dec 23	Winter vacation begins.
1900	
Jan 6	Classes at the ETH resume.
Mar 17	Classes at the ETH end. Winter semester ends on 24 March.
Apr 17	Summer semester at the ETH begins and classes start.
Jul 27	Passes the oral final examination for the <i>Diplom</i> .
Jul 27–ca. Aug 9	Spends a holiday with his mother, sister, and aunt in Melchtal. He informs his mother that Marić and he plan to marry.
Jul 28	Receives his <i>Diplom</i> as <i>Fachlehrer in mathematischer Richtung</i> (teacher specialized in mathematics) from the ETH.
ca. Aug 9	Goes to Zurich to inquire about a position as <i>Assistent</i> to Professor Adolf Hurwitz at the ETH.
Aug 18	Travels to Milan.
early Sep	Einstein and his father visit the father's power stations in Canneto and Isola della Scala, and also visit Venice.
Sep 21	Goes on a trip to Lago Maggiore.
Oct 7	Returns to Zurich, where he works on a doctoral dissertation during the winter semester.

Oct 11	Registers at Dolderstr. 17 in Zurich, Henriette Hägi's new address.
Dec 13	Submits his first scientific paper, on capillarity, to the <i>Annalen der Physik</i> ("Conclusions Drawn from the Phenomena of Capillarity" [Vol. 2, Doc. 1]).
end of Dec	Spends the holiday season with his parents, returning to Zurich by 3 January.
1901	
Feb 21	Obtains Swiss citizenship.
Mar–Apr	Applies unsuccessfully for a position as <i>Assistent</i> to several physicists.
Mar 1	His first scientific paper is published in the <i>Annalen der Physik</i> .
Mar 13	Is classified for Swiss auxiliary military service on medical grounds.
Mar 23	Travels to Milan.
May 5	Leaves Milan for Winterthur. In Como, he joins Marić for a short trip over the Splügen Pass.
May 16–Jul 11	Is substitute teacher at the Technical School in Winterthur. On weekends, he often visits Marić in Zurich.
May 17	Registers his departure from Zurich to Winterthur.
May 21	Registers at Äußere Schaffhauserstr. 38 in Winterthur, where he rooms in the house of Maria Wachter.
July	Vacations with his mother in Mettmenstetten.
Jul 3	Applies unsuccessfully for a secondary-school position at the Technical School in Burgdorf.
late Jul	Applies unsuccessfully for a secondary-school position in Frauenfeld.
ca. Sep 15	Begins work as a tutor at the Lehr- und Erziehungsanstalt, Dr. Jakob Nüesch's private boarding school in Schaffhausen. Begins work on a dissertation on molecular forces in gases.
Oct 2	Registers with the military authorities in Schaffhausen. While there, lives at three addresses: Fulachstr. 22 (Nüesch's school), Fulachstr. 6 (Baumer family), Bahnhofstr. 102 (the Cardinal Inn).

Oct 14	Registers his departure from Winterthur for Schaffhausen.
early Nov	Visits Marić, who is in Stein am Rhein.
Nov 23	Submits doctoral dissertation to the University of Zurich.
Dec 18	Applies for a position at the Swiss Patent Office (Eidgenössisches Amt für geistiges Eigentum) in Bern.
ca. Dec 25	Spends the Christmas holiday with Maja in Mettmenstetten.
1902	
ca. Jan	Einstein and Marić's daughter "Lieserl" is born
Feb 1	His dissertation fees are refunded by the University of Zurich, probably because he withdrew his dissertation.
Feb 11	Registers at Gerechtigkeitsgasse 32 in Bern, where he rooms in the house of Anna Sievers.
Apr 30	"On the Thermodynamic Theory of the Difference in Potentials between Metals and Fully Dissociated Solutions of Their Salts and on an Electrical Method for Investigating Molecular Forces" (Vol. 2, Doc. 2).
Jun 7	Registers at Thunstr. 43a, where he rooms in the house of the Dosch family.
Jun 16	Appointed Technical Expert third class at the Swiss Patent Office in Bern by the Swiss Federal Council on a trial basis (annual salary of 3,500 francs).
Jun 23	Begins work at Swiss Patent Office.
Jun 26	"Kinetic Theory of Thermal Equilibrium and the Second Law of Thermodynamics" (Vol. 2, Doc. 3).
Aug 14	Registers at Archivstr. 8, Bern, where he takes a room in the house of Bertha Hausmann-Louis.
Oct 10	Einstein's father Hermann Einstein dies in Milan.
1903	
Jan 6	Marries Mileva Marić in Bern.
Jan 10	Registers residence at Tillierstr. 18, Bern.
Jan 26	"A Theory of the Foundations of Thermodynamics" (Vol. 2, Doc. 4).
Easter	Starts an informal study group, the "Olympia Academy," with Maurice Solovine, which Conrad Habicht joins shortly thereafter.

May 2	Becomes member of the Naturforschende Gesellschaft of Bern.
Sep	Daughter Lieserl is registered.
Oct 29	Registers residence at Kramgasse 49, Bern.
Dec 5	Delivers a lecture to the Naturforschende Gesellschaft of Bern on “The Theory of Electromagnetic Waves.”
1904	
Mar 29	“On the General Molecular Theory of Heat” (Vol. 2, Doc. 5).
May 14	Son Hans Albert is born in Bern.
Sep 16	Receives a permanent appointment at the Swiss Patent Office (salary increase to 3,900 francs).
1905	
first half of Mar	Publishes reviews of G. Belluzzo, “Principles of Graphic Thermodynamics” (Vol. 2, Doc. 6); A. Fliegner, “On Clausius’s Law of Entropy” (Vol. 2, Doc. 7); W. McFadden Orr, “On Clausius’ Theorem for Irreversible Cycles, and on the Increase of Entropy” (Vol. 2, Doc. 8); G. H. Bryan, “The Law of Degradation of Energy as the Fundamental Principle of Thermodynamics” (Vol. 2, Doc. 9); N. N. Schiller, “Some Concerns Regarding the Theory of Entropy Increase Due to the Diffusion of Gases Where the Initial Pressures of the Latter Are Equal” (Vol. 2, Doc. 10); J. J. Weyrauch, “On the Specific Heats of Superheated Water Vapor” (Vol. 2, Doc. 11); J. H. van ’t Hoff, “The Influence of the Change in Specific Heat on the Work of Conversion” (Vol. 2, Doc. 12); and A. Giammarco, “A Case of Corresponding States in Thermodynamics” (Vol. 2, Doc. 13).
Mar 18	“On a Heuristic Point of View Concerning the Production and Transformation of Light” (Vol. 2, Doc. 14).
Apr 30	Completes doctoral dissertation at the University of Zurich: “A New Determination of Molecular Dimensions” (Vol. 2, Doc. 15).
May 11	“On the Movement of Small Particles Suspended in Stationary Liquids Required by the Molecular-Kinetic Theory of Heat” (Vol. 2, Doc. 16).
May 13	Registers residence at Besenscheuerweg 28, Bern.

second half of Jun	Publishes reviews of K. F. Slotte, “On the Heat of Fusion” (Vol. 2, Doc. 17) and “Conclusions Drawn from a Thermodynamic Equation” (Vol. 2, Doc. 18); E. Mathias, “The Constant a of Rectilinear Diameters and the Laws of Corresponding States” (Vol. 2, Doc. 19); M. Planck, “On Clausius’ Theorem for Irreversible Cycles, and on the Increase of Entropy” (Vol. 2, Doc. 20); E. Buckingham, “On Certain Difficulties Which Are Encountered in the Study of Thermodynamics” (Vol. 2, Doc. 21); and P. Langevin, “On a Fundamental Formula of the Kinetic Theory” (Vol. 2, Doc. 22).
Jun 30	“On the Electrodynamics of Moving Bodies” (Vol. 2, Doc. 23).
Jul 27	Einstein’s petition to receive the doctorate is approved by the Philosophical Faculty II of the University of Zurich.
late summer	Visits Belgrade with wife and son and spends time in Újvidék (Novi Sad).
second half of Sep	Publishes reviews of H. Birven, <i>Fundamentals of the Mechanical Theory of Heat</i> (Vol. 2, Doc. 25); A. Ponsot, “Heat in the Displacement of the Equilibrium of a Capillary System” (Vol. 2, Doc. 26); and K. Bohlin, “On Impact Considered as the Basis of Kinetic Theories of Gas Pressure and of Universal Gravitation” (Vol. 2, Doc. 27).
Sep 27	“Does the Inertia of a Body Depend upon Its Energy Content?” (Vol. 2, Doc. 24).
first half of Nov	Publishes reviews of G. Meslin, “On the Constant in Mariotte and Gay-Lussac’s Law” (Vol. 2, Doc. 28); and A. Fliegner, “The Efflux of Hot Water from Container Orifices” (Vol. 2, Doc. 29).
second half	Publishes reviews of J. J. Weyrauch, <i>An Outline of the Theory of Heat. With Numerous Examples and Applications. Part 1</i> (Vol. 2, Doc. 30); and A. Fliegner, “On the Thermal Value of Chemical Processes” (Vol. 2, Doc. 31).
Dec 19	“On the Theory of Brownian Motion” (Vol. 2, Doc. 32).
1906	
Jan	Submits “Supplement” to “A New Determination of Molecular Dimensions” (Vol. 2, Doc. 33).

Jan 13	Participates in discussion following E. Stähli's lecture on "Microscopy with Ultraviolet Rays and the Ultramicroscope" delivered to the Naturforschende Gesellschaft of Bern.
Jan 15	Receives doctorate from the University of Zurich.
Mar 10	Promoted to Technical Expert second class with a salary increase to 4,500 francs, effective 1 April.
Mar 13	"On the Theory of Light Production and Light Absorption" (Vol. 2, Doc. 34).
May 17	"The Principle of Conservation of Motion of the Center of Gravity and the Inertia of Energy" (Vol. 2, Doc. 35).
Jun 1	Registers residence at Aegertenstr. 53, Bern.
first half of Aug	Publishes review of M. Planck, <i>Lectures on the Theory of Thermal Radiation</i> (Vol. 2, Doc. 37).
Aug 4	"On a Method for the Determination of the Ratio of the Transverse and the Longitudinal Mass of the Electron" (Vol. 2, Doc. 36).
Nov 9	"Planck's Theory of Radiation and the Theory of Specific Heat" (Vol. 2, Doc. 38).
Dec 12	"On the Limit of Validity of the Law of Thermodynamic Equilibrium and on the Possibility of a New Determination of the Elementary Quanta" (Vol. 2, Doc. 39).
1907	
Jan 22	"Theoretical Remarks on Brownian Motion" (Vol. 2, Doc. 40).
Mar 3	"Correction to My Paper: 'Planck's Theory of Radiation etc.'" (Vol. 2, Doc. 42).
Mar 17	"On the Possibility of a New Test of the Relativity Principle" (Vol. 2, Doc. 41).
Mar 23	Lectures "On the Nature of the Movements of Microscopically Small Particles Suspended in Liquids" to Naturforschende Gesellschaft of Bern (Vol. 2, Doc. 43).
Apr 16	"Comments on the Note of Mr. Paul Ehrenfest: 'The Translatory Motion of Deformable Electrons and the Area Law'" (Vol. 2, Doc. 44).
May 14	"On the Inertia of Energy Required by the Relativity Principle" (Vol. 2, Doc. 45), in which Einstein first uses the phrase "the equivalence of mass and energy."

Jun 17	Makes first formal attempt to obtain <i>Privatdozentur</i> at the University of Bern.
Aug 1–10	Vacations with wife and son in Lenk, canton of Bern.
second half of Aug	Publishes review of J. J. Weyrauch, <i>An Outline of the Theory of Heat. With Numerous Examples and Applications</i> . Part 2 (Vol. 2, Doc. 46).
Oct 28	Decision on <i>Privatdozentur</i> at the University of Bern is postponed until Einstein submits a <i>Habilitationsschrift</i> .
Dec 4	“On the Relativity Principle and the Conclusions Drawn from It” (Vol. 2, Doc. 47), in which Einstein first formulates the equivalence principle, an idea that he would later call “the most fortunate idea of my life” (Vol. 7, Doc. 31, p. 265)
Dec 14	Inquires about a position at the Kantonsschule Zurich.
1908	
early Jan	Submits <i>Habilitationsschrift</i> : “Consequences for the Constitution of Radiation of the Energy Distribution Law of Black Body Radiation” to the University of Bern.
Jan 20	Applies for a position at the Technikum Winterthur.
Feb 15	“A New Electrostatic Method for the Measurement of Small Quantities of Electricity” (Vol. 2, Doc. 48).
Feb 24	The Philosophical Faculty II of the University of Bern approves <i>Privatdozentur</i> for Einstein.
Feb 27	Delivers inaugural lecture at the University of Bern, “On the Limit of the Validity of Classical Thermodynamics.”
ca. Feb 28	Receives <i>venia docendi</i> for theoretical physics and becomes <i>Privatdozent</i> at the University of Bern.
Mar 3	“Corrections to the Paper: ‘On the Relativity Principle and the Conclusions Drawn from It’” (Vol. 2, Doc. 49).
April	Begins a three-week collaboration with Jakob Laub.
Apr 1	“Elementary Theory of Brownian Motion” (Vol. 2, Doc. 50).
Apr 21	Summer semester at the University of Bern begins: Einstein teaches a course in the molecular theory of heat.
May 2	“On the Fundamental Electromagnetic Equations for Moving Bodies” (with Jakob Laub) (Vol. 2, Doc. 51).

May 13	“On the Ponderomotive Forces Exerted on Bodies at Rest in the Electromagnetic Field” (with Jakob Laub) (Vol. 2, Doc. 52).
May 16	Works in laboratory of Albert Gockel at the University of Fribourg.
Jun 28	Again in Fribourg in Gockel’s laboratory.
Jul 25	Summer semester at the University of Bern ends.
Aug 24	“Correction to the Paper: ‘On the Fundamental Electromagnetic Equations for Moving Bodies’” (with Jakob Laub) (Vol. 2, Doc. 53).
summer	Vacations with wife and son in the Bernese Oberland.
Oct 20	Winter semester at the University of Bern begins. Einstein teaches a course in the theory of radiation.
Dec 6	“Remarks on Our Paper: ‘On the Fundamental Electromagnetic Equations for Moving Bodies’” (with Jakob Laub) (Vol. 2, Doc. 54).
1909	
Jan 19	“Supplement” to “Remarks on Our Paper: ‘On the Fundamental Electromagnetic Equations for Moving Bodies’” (with Jakob Laub) (Vol. 2, Doc. 54).
Jan 22	“Comment on the Paper of D. Mirimanoff: ‘On the Fundamental Equations...’” (Vol. 2, Doc. 55).
Jan 23	“On the Present Status of the Radiation Problem” (Vol. 2, Doc. 56).
Feb 11	Lectures on “Elektrodynamik und Relativitätsprinzip” to the Physikalische Gesellschaft of Zurich.
Feb 23	A. Kleiner outlines the need for a second chair of physics at the University of Zurich and recommends that Einstein be appointed to it.
Mar 6	Winter semester at the University of Bern ends.
Apr 13	“On the Present Status of the Radiation Problem” (with Walter Ritz) (Vol. 2, Doc. 57).
May 7	Appointed Extraordinary Professor of Theoretical Physics at the University of Zurich at an annual salary of 4,500 fr.
May 24	Attends Fribourg physics colloquium.

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| Jul 6 | Submits resignation to the Swiss Patent Office, effective 15 October 1909. |
| Jul 9 | Granted an honorary doctorate in the physical sciences by the University of Geneva. |
| Aug | Vacations with wife and son in the Upper Engadine, canton of Graubünden. |
| Aug 4 | Resigns <i>Privatdozentur</i> at the University of Bern. |
| Sep 20 | Participates in a discussion following Henry Siedentopf's lecture, "On Ultramicroscopic Images" (Vol. 2, Doc. 58), at the Salzburg meeting of the GDNÄ. |
| Sep 21 | Participates in a discussion following Arthur Szarvassi's lecture, "The Theory of Electromagnetic Phenomena in Moving Bodies and the Energy Principle" (Vol. 2, Doc. 59), at the GDNÄ.

Lectures "On the Development of Our Views Concerning the Nature and Constitution of Radiation" (Vol. 2, Doc. 60) and participates in the following discussion (Vol. 2, Doc. 61), at the GDNÄ. |
| Sep 21 | Participates in a discussion following Fritz Hasenöhl's lecture, "On the Transformation of Kinetic Energy into Radiation" (Vol. 2, Doc. 62), at the GDNÄ. |
| Oct 2 | W. Ostwald nominates Einstein for the Nobel Prize in Physics, citing his contribution in relativity. |
| Oct 15 | Assumes duties at the University of Zurich. |
| Oct 18 | Winter semester at the University of Zurich begins. Einstein teaches an introductory course in mechanics (Vol. 3, Doc. 1) and a course in thermodynamics, while also conducting a physics seminar. |
| Oct 22 | Registers change of address from Bern to Moussonstr. 12, Zurich. |
| Dec 2 | Becomes a member of the Physikalische Gesellschaft of Zurich. |
| Dec 11 | Delivers inaugural lecture at the University of Zurich: "On the Role of Atomic Theory in Recent Physics." |
| 1910 | |
| Jan 15 | Publishes first part of "The Principle of Relativity and Its Consequences in Modern Physics" (Vol. 3, Doc. 2). |

before Jan 18	Writes a response to a draft version of M. Planck, "Zur Theorie der Wärmestrahlung" (Vol. 3, Doc. 3).
Feb 15	Publishes second part of "The Principle of Relativity and Its Consequences in Modern Physics" (Vol. 3, Doc. 2).
Mar 5	Winter semester at the University of Zurich ends.
Apr 19	Summer semester at the University of Zurich begins. Einstein teaches the continuation of the mechanics course and a course in the kinetic theory of heat (Vol. 3, Doc. 4), while also conducting a physics seminar and directing a laboratory for advanced students (with Alfred Kleiner).
Apr 21	Proposed as a candidate for a chair of theoretical physics at the German University in Prague.
May 7	Lectures "On the Theory of Light Quanta and the Question of the Localization of Electromagnetic Energy" to the Neuchâtel meeting of the Schweizerische Physikalische Gesellschaft (Vol. 3, Doc. 5).
Jul 14	The Zurich Governing Council grants Einstein a salary increase to 5,500 francs as of October in order to dissuade him from accepting an offer from the German University in Prague.
Jul 15	"On the Ponderomotive Forces Acting on a Magnetic Body Carrying a Current" (Vol. 3, Doc. 6).
Jul 28	Einstein's second son Eduard is born in Zurich.
Aug 5	Summer semester at the University of Zurich ends.
Aug 29	"On a Theorem of the Probability Calculus and Its Application in the Radiation Theory" (with Ludwig Hopf) (Vol. 3, Doc. 7).
Aug 29	"Statistical Investigation of a Resonator's Motion in a Radiation Field" (with Ludwig Hopf) (Vol. 3, Doc. 8).
Sep 6	Lectures on his "On the Ponderomotive Forces Acting on a Magnetic Body Carrying a Current" at the Basel meeting of the Schweizerische Naturforschende Gesellschaft.
Sep 24	Travels to Vienna, to consult with the Austro-Hungarian authorities on a position at the German University of Prague, and also visits Ernst Mach, Victor Adler, and Anton Lampa.

- Oct 8 “The Theory of the Opalescence of Homogeneous Fluids and Liquid Mixtures near the Critical State” (Vol. 3, Doc. 9).
- Oct 17 Winter semester at the University of Zurich begins. Einstein teaches courses in electricity and magnetism (Vol. 3, Doc. 11) and in selected readings in theoretical physics, while also conducting a physics seminar and directing a laboratory for advanced students (with Alfred Kleiner).
- Nov 1 E. Fischer, from Berlin, informs Einstein that he will receive a three-year annual grant of 5,000 M from an anonymous private donor (Franz Oppenheim).
- Nov 2 Lectures “On the Boltzmann Principle and Some Consequences Derived from It” to the Physikalische Gesellschaft of Zurich.
- Nov 14 Becomes member of the Naturforschende Gesellschaft of Zurich.
- Nov 30 “Comments on P. Hertz’s Papers: ‘On the Mechanical Foundations of Thermodynamics’” (Vol. 3, Doc. 10).
- Nov 30 “Comment on Eötvös’s Law” (Vol. 3, Doc. 12).
- Nov 30 “A Relationship between Elastic Behavior and Specific Heat in Solids with a Monatomic Molecule” (Vol. 3, Doc. 13).
- Dec 16 The Minister of Education, Count Karl von Stürgkh, petitions Emperor Franz Joseph for Einstein’s appointment to the chair of theoretical physics at the German University of Prague.
- 1911**
- Jan 2 Completes “Comment on a Fundamental Difficulty in Theoretical Physics” (Vol. 3, Doc. 16).
- Jan 6 Emperor Franz Joseph appoints Einstein to the chair of theoretical physics at the German University of Prague, effective 1 April 1911 with a salary of 9,872 crowns.
- Jan 16 Delivers lecture “The Theory of Relativity” to Naturforschende Gesellschaft of Zurich (Vol. 3, Docs. 17 and 18).
- Jan 20 Submits letter of resignation from the University of Zurich.
- Jan 21 “Correction to My Paper: ‘A New Determination of Molecular Dimensions’” (Vol. 3, Doc. 14).
- Jan 30 “Comment on My Paper: ‘A Relationship between the Elastic Behavior...’” (Vol. 3, Doc. 15).

Feb 10	Lectures on fluctuations before the student association of the University of Leyden (Vol. 3, Doc. 19), and meets with H. A. Lorentz, H. Kamerlingh Onnes, and W. H. Keesom.
Feb 21	Participates in a further discussion at the Naturforschende Gesellschaft of Zurich on “The Theory of Relativity” delivered on 16 January (Vol. 3, Doc. 17). Also gives impromptu statement on the light quantum hypothesis (Vol. 3, Doc. 20).
Mar 4	Winter semester at the University of Zurich ends.
Mar 30	Registers his move from Zurich to Prague.
Apr 1	Start of appointment at German University of Prague.
Apr 2	On his way to Prague, visits A. Sommerfeld and meets P. Debye in Munich.
Apr 3–4	With his family, takes temporary quarters in Hotel Viktoria, Jungmannstr., Prague.
Apr 5	Obtains an apartment at Třebízského 7 in the Smichov district of Prague.
Apr 12	Assumes directorship of the Institute of Theoretical Physics of the German University.
Apr 20	Summer semester at German University begins. Einstein lectures on the mechanics of discrete mass points and on thermodynamics, while also conducting a physics seminar.
May 1	E. Nohel begins as assistant to Einstein at the Institute of Theoretical Physics.
May 4	“Elementary Observations on Thermal Molecular Motion in Solids” (Vol. 3, Doc. 21).
May 18	“On the Ehrenfest Paradox. Comment on V. Varičák’s Paper” (Vol. 3, Doc. 22).
May 24	Delivers a lecture on “Das Relativitätsprinzip” to the Deutsche Gesellschaft für Bohemia—“Lotos” in the Physics Institute of the German University.
Jun 21	“On the Influence of Gravitation on the Propagation of Light” (Vol. 3, Doc. 23).
Jul 25	“Supplement to the Correction” (Vol. 3, Doc. 21).
Jul 31	Summer semester at the German University ends.
Aug 23	Takes oath of office as professor at the German University.
Aug 24	Begins negotiations with the University of Utrecht on a possible appointment there.

Sep	H. Zangger visits Einstein in Prague and discusses possibility of a position at the ETH.
Sep 25, 27	Participates in discussion of lectures by W. Nernst, A. Sommerfeld, and H. Rubens at the Karlsruhe meeting of the GDNÄ (Vol. 3, Doc. 24).
Oct 1	Winter semester at the German University begins. Einstein teaches courses in mechanics and thermodynamics, and also conducts seminar discussions.
Oct 9–14	Gives a series of eight lectures, “Über einige neuere Fortschritte auf dem Gebiete der theoretischen Physik” to a conference for secondary-school teachers in Zurich.
Oct 14	Travels to Bern to consult with Ludwig Forrer on a call to the ETH.
Oct 18	Returns to Prague.
Oct 29	Arrives in Brussels for first Solvay Congress.
Oct 30	Contributes discussion remarks at the Solvay Congress (Vol. 3, Doc. 25).
Nov	H. Poincaré recommends Einstein for a position at the ETH.
Nov 2 or 3	Lectures at Solvay Congress on “The Current State of the Problem of Specific Heat” (Vol. 3, Doc. 26) and participates in discussion (Vol. 3, Doc. 27).
Nov 17	M. Curie recommends Einstein for a position at the ETH.
Dec 19–25	Meets in Zurich with R. Gnehm, president of the ETH, to finalize details of an appointment there.
Dec 21	W. Ostwald again nominates Einstein for Nobel Prize in Physics, citing his contribution in relativity.

1912

	Begins work on a manuscript on electrodynamics and relativity theory (Vol. 4, Doc. 1).
Jan	E. Pringsheim, C. Schaefer, and W. Wien propose that H. A. Lorentz and Einstein share the 1912 Nobel Prize for the development of the relativity principle.
Jan 18	“Thermodynamic Proof of the Law of Photochemical Equivalence” (Vol. 4, Doc. 2).
Jan 30	Appointed Professor of Theoretical Physics at the ETH with annual salary of 11,000 francs.

Feb 3	Petitions Minister of Education for release from position at German University as of 30 September.
Feb 23	Has first meeting with P. Ehrenfest.
Feb 26	"The Speed of Light and the Statics of the Gravitational Field" (Vol. 4, Doc. 3).
Mar 23	"On the Theory of the Static Gravitational Field" (Vol. 4, Doc. 4).
Mar 28	Winter semester at the German University ends.
Apr 11	Summer semester at the German University begins. Einstein teaches courses in the mechanics of continua and the molecular theory of heat, and conducts seminar discussions.
Apr 15–22	Visits W. Nernst, F. Haber, E. Warburg, H. Rubens, and E. Freundlich in Berlin. Discusses scientific matters with them, and considers a position at the Physikalisch-Technische Reichsanstalt (which he will decline). Also visits his aunt and uncle, Fanny and Rudolf Einstein, at whose residence in Haberlandstr. he becomes reacquainted with his cousin Elsa Löwenthal (née Einstein).
May 12	"Supplement to My Paper: 'Thermodynamic Proof of the Law of Photochemical Equivalence'" (Vol. 4, Doc. 5).
May 23	"Note Added in Proof" (Vol. 4, Doc. 4).
May 30	"Response to a Comment by J. Stark: 'On an Application of Planck's Fundamental Law . . .'" (Vol. 4, Doc. 6).
Jun 1	Is released from his position at the German University as of the end of September.
July	"Is There a Gravitational Effect Which Is Analogous to Electrodynamical Induction?" (Vol. 4, Doc. 7).
Jul 4	"Relativity and Gravitation. Reply to a Comment by M. Abraham" (Vol. 4, Doc. 8).
Jul 25	Departs Prague for Zurich to take up position at the ETH.
Jul 31	Summer semester at German University ends.
ca. Aug	Begins research notes on a generalized theory of relativity (Vol. 4, Doc. 10) and, probably at the same time, his collaboration with M. Grossmann.
ca. Aug 1	Einstein and others call for the creation of a Society for Positivist Philosophy.

Aug 10	Registers his change of residence from Prague to Hofstr. 116, Zurich.
Sep 2	“Comment on Abraham’s Preceding Discussion ‘Once Again, Relativity and Gravitation’” (Vol. 4, Doc. 9).
Oct 3	Winter semester at the ETH begins. Einstein teaches courses in analytical mechanics and thermodynamics, and a physics se-minar.
Oct 29	Supports a request by O. Stern to be considered Einstein’s collaborator (<i>Mitarbeiter</i>) rather than a student of the ETH.
Dec 19	Is asked to serve as examiner for students working toward a degree in mathematics at the ETH.
Dec 30	W. Ostwald again nominates Einstein for the Nobel Prize in Physics, citing his contribution to relativity; B. Naunyn and W. Wien lend their support.
1913	
Jan 5	“Some Arguments for the Assumption of Molecular Agitation at Absolute Zero” (with Otto Stern) (Vol. 4, Doc. 11).
Jan 16	Asked to administer <i>Diplom</i> examinations in theoretical physics.
Mar 7–8	Lecture on “Energy at Absolute Zero and Theoretical Formulae of Radiation” at Zurich meeting of the Swiss Physical Society.
Mar 20	“Remark Added in Proof” (with Otto Stern) (Vol. 4, Doc. 11).
Mar 22	Winter semester at the ETH ends.
Mar 27	Lecture on “Thermodynamic Deduction of the Law of Photochemical Equivalence” at Paris meeting of the French Physical Society (Vol. 4, Doc. 12).
Apr 15	Summer semester at the ETH begin. Einstein teaches courses in the mechanics of continua and the molecular theory of heat, a physics seminar, and supervises exercises in physics (with P. Weiss).
May	Begins working with M. Besso on calculations on the motion of the perihelion of Mercury (Vol. 4, Doc. 14).
before May 28	Completes “Outline of a Generalized Theory of Relativity and of a Theory of Gravitation” (with M. Grossmann) (Vol. 4, Doc. 13).

May 29	M. Planck and others announce in the physical-mathematical class of the Prussian Academy of Sciences (PAW) that they will be proposing Einstein for election at the next class meeting.
June–July	Visited by P. Ehrenfest and G. Nordström in Zurich.
Jun 3	L. Koppel commits to donate 6,000 M a year for twelve years to raise Einstein's salary at the PAW from 6,000 M to 12,000 M.
Jul 3	Physical-mathematical class of the PAW votes 21:1 in favor of Einstein's nomination.
mid-July	M. Planck, W. Nernst, and their wives visit Einstein in Zurich. The scientists offer him membership in the PAW and most likely discuss with him the creation of a theoretical physics institute of the Kaiser-Wilhelm-Gesellschaft (KWG) under his direction, and a professorship at the University of Berlin without teaching obligations.
Jul 24	The plenum of the PAW votes on the Einstein nomination, with 44 in favor and 2 dissenting.
Aug 4	Begins a walking tour with M. Curie through the Engadine and the Val Bregaglia in eastern Switzerland.
Aug 7	Summer semester at the ETH ends.
Sep 9	Lectures to the Frauenfeld meeting of the Schweizerische Naturforschende Gesellschaft on the "Physical Foundations of a Theory of Gravitation" (Vol. 4, Doc. 16).
mid-Sep	Visits wife's family in Újvidék (Novi Sad).
Sep 23	Lecture "On the Present State of the Problem of Gravitation" at the Vienna meeting of the GDNÄ (Vol. 4, Docs. 17 and 18).
Sep 24–Oct 9	Visits Berlin, Heilbronn, and Ulm before returning to Zurich.
Oct 2	Winter semester at the ETH begins. Einstein teaches courses in electricity and magnetism (Vol. 4, Doc. 19), and on ray optics and diffraction, conducts a physics seminar, and supervises exercises in physics (with P. Weiss).
before Oct 21	Writes "Theoretical Atomistics" and "Relativity Theory" for <i>Die Kultur der Gegenwart</i> , published in 1915 (Vol. 4, Docs. 20 and 21).

Oct 27–31	Participates in a discussion on papers delivered at second Solvay Congress (Vol. 4, Doc. 22).
Nov 7	“Max Planck as Scientist” (Vol. 4, Doc. 23).
Nov 12	Emperor Wilhelm II confirms the election of Einstein to the PAW.
Nov 22	The PAW informs Einstein of his election and of his annual salary of 12,000 M, moving expenses, and survivor benefits.
Dec 6	Swiss School Council accepts Einstein’s resignation from the ETH.
Dec 7	Accepts offer of membership in the PAW and sets early April 1914 as date for his move to Berlin.
Dec 11	“Supplementary Response to a Question by Mr. Reißner” (Vol. 4, Doc. 24).
after Christmas	Mileva Einstein-Marić travels to Berlin to find housing for the family. She stays with the Haber family.

1914

Jan	B. Naunyn and O. Chwolson nominate Einstein for Nobel Prize in Physics, the former citing contributions in relativity, diffusion, gravitation, the latter citing his general contribution to theoretical physics.
Jan 15	Delivers lecture on “Neues zum Problem der Gravitation” the seventh lecture in the 52nd cycle of town-hall lectures (“Rathausvorträge”) in Zurich.
Jan 24	“On the Foundations of the Generalized Theory of Relativity and the Theory of Gravitation” (Vol. 4, Doc. 25).
Jan 30	“Comments” (Vol. 4, Doc. 26) on “Outline of a Generalized Theory of Relativity and of a Theory of Gravitation” (with M. Grossmann) (Vol. 4, Doc. 13) is published.
early Feb	W. Nernst and others propose that Einstein be named permanent secretary of a scientific committee to supervise and administer a theoretical physics institute of the KWG.
Feb 9	Lecture “On the Theory of Gravitation” at meeting of Naturforschende Gesellschaft of Zurich (Vol. 4, Doc. 28).
Feb 19	“Nordström’s Theory of Gravitation from the Point of View of the Absolute Differential Calculus” (with A. D. Fokker) (Vol. 4, Doc. 28).

Feb 28	Completes manuscript of “A Method for the Statistical Evaluation of Observations of Apparently Irregular, Quasi-periodic Processes” (Vol. 4, Doc. 29) before this date; and delivers a version of it to the Basel meeting of the Schweizerische Physikalische Gesellschaft (Vol. 4, Doc. 30).
March	Completes “On the Relativity Problem” (Vol. 4, Doc. 31).
Mar 21	Departs Zurich on last day of winter semester.
Mar 22	Visits uncle Caesar Koch in Antwerp.
Mar 23	Arrives in Leyden to visit P. Ehrenfest. Also visits H. A. Lorentz and meets W. de Sitter.
Mar 29	Arrives in Berlin. Is given an office in the Kaiser Wilhelm Institute of Physical Chemistry and Electrochemistry, directed by F. Haber. Lives at Ehrenbergstr. 33, in Berlin-Dahlem.
Mar 31 or Apr 1	Mileva Einstein-Marić departs with the children for Locarno, where Eduard Einstein recuperates from a lengthy illness.
Apr 6	Registers his change of address from Zurich to Berlin.
Apr 16	Participates for the first time in a meeting of the physical-mathematical class of the PAW.
Apr 18	Mileva Einstein-Marić and the children return to Zurich, then join Einstein in Berlin.
Apr 23	Participates for the first time in plenary session of the PAW.
Apr 26	“On the Principle of Relativity” (Vol. 6, Doc. 1).
May 8	Becomes a member of the advisory committee of the DPG.
May 16	Receives an academician’s salary of 900 M, retroactive to April 1, in addition to his salary of 12,000 M.
May 29	“Covariance Properties of the Field Equations of the Theory of Gravitation Based on the Generalized Theory of Relativity” (with M. Grossmann) (Vol. 6, Doc. 2).
May 30	Ehrenfest pays a visit. Four days later, they meet J. Petzoldt.
Jul 2	Gives inaugural lecture (Vol. 6, Doc. 3) to the PAW during Leibniz commemorative festivities in the Academy’s new building at Unter den Linden 38.
mid-Jul	Einstein-Marić moves out of Ehrenbergstr. residence with the children and stays at the Habers. Memorandum of rec-

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- conciliation is drawn up, but divorce is decided upon and a contract drafted.
- Jul 16 Co-signs nominations of R. Willstätter and F. Haber for membership in physical-mathematical class of the PAW.
- Jul 18 “Remarks on P. Harzer’s Paper: ‘On the Dragging of Light in Glass and on Aberration’” (Vol. 6, Doc. 4).
- Jul 21 Co-signs nomination of K. F. Braun for membership in the PAW.
- Jul 24 Lectures at the DPG on the thermodynamical derivation of Planck’s formula of radiation and on Nernst’s heat theorem. Published as “Contributions to Quantum Theory” (Vol. 6, Doc. 5).
- Jul 29 Accompanied by M. Besso, Einstein-Marić and the children leave Berlin for Zurich, after an agreement to a separation from Einstein—instead of a divorce—is reached.
- Aug 1 Germany declares war on Russia.
- Aug 12 The establishment of the KWI is postponed indefinitely.
- Aug 18 Completes “Response to Paul Harzer’s Reply” (Vol. 6, Doc. 6).
- Oct 16–Mar 15 Teaches course on relativity at the University of Berlin during the winter semester (Vol. 6, Doc. 7).
Collaborative experimental work with W. J. de Haas on molecular currents at the Physikalisch-Technische Reichsanstalt.
- mid-Oct “Manifesto to the Europeans” (with G. Nicolai and W. Foerster) (Vol. 6, Doc. 8) in response to the “Manifesto of the 93.”
- Oct 23 Delivers lecture to the DPG on a criterion for recognizing periodic processes.
- Oct 29 Submits “The Formal Foundation of the General Theory of Relativity” (Vol. 6, Doc. 9) to the PAW.
- Nov 5 Communicates two papers by Schwarzschild at PAW.
- Nov 27 Publishes reviews of A. Brill, *The Principle of Relativity: An Introduction to the Theory*, and H. A. Lorentz, *The Principle of Relativity: Three Lectures . . .* (Vol. 6, Docs. 10 and 11).
- before Dec 2 Moves from Ehrenbergstr., Berlin-Dahlem, to Wittelsbacherstr. 13, Berlin-Wilmersdorf.

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| Dec 10 | With E. Fischer, E. Warburg, and H. Rubens, sponsors proposal to award the Helmholtz Medal to M. Planck.

With forty other members of the PAW, co-signs document addressed to Chantepie de la Saussaye, president of the Royal Academy of Sciences (Amsterdam), protesting a letter “containing insulting words about the Netherlands” published in a Dutch weekly on 11 October by an honorary professor at the University of Berlin. |
| Dec 18 | Lectures to the DPG on an experimental proof of the theory of paramagnetism. |
| 1915 | |
| Jan/Feb | With W. J. de Haas, performs experiments on the gyromagnetic effect at the Physikalisch-Technische Reichsanstalt as guest of its second section (Electricity and Magnetism). |
| Jan 19 | F. Ehrenhaft nominates Einstein for Nobel Prize, citing work in Brownian motion, and special and general relativity. |
| Feb 6 | “Expert Opinion on Legal Dispute between Anschütz & Co. and Sperry Gyroscope Company” (Vol. 6, Doc. 12). |
| Feb 19 | Lectures to the DPG on a direct proof of Ampère’s molecular currents. |
| Mar 25 | Lectures “Über den Grundgedanken der allgemeinen Relativitätstheorie und Anwendungen dieser Theorie in der Astronomie” to the physical-mathematical class of the PAW. |
| Mar 26 | Appears before Berlin court to give expert patent opinion in Anschütz vs. Sperry dispute. |
| Apr 10 | Submits expanded version of his lecture on Ampère’s molecular currents, “Experimental Proof of Ampère’s Molecular Currents” (with W. J. de Haas) (Vol. 6, Doc. 13). |
| Apr 16–Aug 15 | Lectures on the theory of relativity at the University of Berlin, Thursdays, 2–4 P.M. |
| Apr 23 | “Experimental Proof of the Existence of Ampère’s Molecular Currents” (with W. J. de Haas) (Vol. 6, Doc. 14). |
| May 7 | “Experimental Proof of Ampère’s Molecular Currents” (Vol. 6, Doc. 15) is published. |
| May 10 | “Correction of My Joint Paper with J. W. de Haas: ‘Experimental Proof of Ampère’s Molecular Currents’” (Vol. 6, Doc. 16). |

May 14	The Dutch version of the Ampère current paper is published. Reelected member of the advisory committee of the DPG.
ca. Jun	Becomes member of the Bund “Neues Vaterland.”
Jun 2	Lectures on relativity of motion and gravitation to Society of Friends of the Berlin-Treptow Observatory.
Jun 15	“Comment on the Essay Submitted by Knapp: ‘The Shearing of the Light-Ether...’” (Vol. 6, Doc. 17).
Jun 24	“Response to a Paper by M. von Laue: ‘A Theorem in Probability Calculus and Its Application to Radiation Theory’” (Vol. 6, Doc. 18).
Jun 28–Jul 5	Spends a week in Göttingen to give six lectures on general relativity under the auspices of the Wolfskehl Foundation.
Jun 29	Lectures “Über Gravitation” to Mathematical Society of Göttingen.
Jul 10	Observes experiment in Kiel on stability of the Sperry compass in the patent dispute Anschütz vs. Sperry.
Jul 15	Vacations in Sellin (Rügen) with Berlin relatives.
Jul 22	Returns to Berlin to attend a session of the PAW.
Jul 24–Aug 5	Continues vacation in Sellin.
Jul 27	With 90 others, co-signs an open letter to Chancellor Bethmann Hollweg opposing the annexationist policy advocated in the so-called Seeberg memorandum.
Aug 7	“Supplementary Expert Opinion” on Anschütz vs. Sperry Gyroscope (Vol. 6, Doc. 19). Repeats the Ampère current experiment with alternating current, but a week later breaks off experiment because of optical difficulties.
Aug 29	Departs on a trip to Switzerland, with layover in Heilbronn.
Sep 16	With H. Zangger, meets R. Rolland in Park-Hôtel Mooser, Vevey, Switzerland.
Sep 22	Returns to Berlin.
Oct 16–Mar 15, 1916	Holds course on statistical mechanics and Boltzmann’s principle at the University of Berlin, Thursdays, 2–4 P.M.
Oct 23–Nov 11	“My Opinion of the War” (Vol. 6, Doc. 20).
Nov 4	Submits “On the General Theory of Relativity” (Vol. 6, Doc. 21) to the PAW.

Nov 11	Submits “On the General Theory of Relativity (Addendum)” (Vol. 6, Doc. 22) to the PAW.
Nov 15	“Comment on Our Paper: ‘Experimental Proof of Ampère’s Molecular Currents’” (with W. J. de Haas) (Vol. 6, Doc. 23).
Nov 18	Submits “Explanation of the Perihelion Motion of Mercury from the General Theory of Relativity” (Vol. 6, Doc. 24) to the PAW.
Nov 25	Submits “The Field Equations of Gravitation” (Vol. 6, Doc. 5) to the PAW.
Nov 28	In conversation with H. Struve, director of the Observatory in Potsdam, requests that E. Freundlich be permitted to perform experiments there for testing general relativity.
Dec 8	At H. Rubens’s Wednesday physics colloquium at the University, presents the first part of a lecture on his theory of gravitation.
Dec 17	Speaks to the DPG on the general theory of relativity and on its explanation of the motion of the perihelion of Mercury.
Dec 18	Elected corresponding member of the Royal Society of Göttingen after being nominated on 5 December by D. Hilbert, F. Klein, C. Runge, W. Voigt, and E. Wiechert.
Dec 22	At H. Rubens’s Wednesday colloquium, presents the second part of a lecture on his theory of gravitation.
1916	
Jan 13	Communicates <i>Schwarzschild 1916a</i> to the PAW.
Jan 14	Lectures to the DPG, “Zur Begründung der Tetrode-Sackurschen Bestimmung der Entropiekonstanten,” which may be a variant of “On the Theory of Tetrode and Sackur for the Entropy Constant” (Vol. 6, Doc. 26).
Jan 20	Co-signs proposal to award the Leibniz Gold Medal for 1916 to O. von Schjerning, director of the Kaiser-Wilhelm-Akademie für das Militärärztliche Bildungswesen.
Feb 3	Submits “A New Formal Interpretation of Maxwell’s Field Equations of Electrodynamics” (Vol. 6, Doc. 27) to the PAW.
Feb 6	Proposes divorce from Mileva Einstein-Marić after a separation of a year and a half.
Feb 7	The Bund “Neues Vaterland” is outlawed for the duration of the war.

Feb 24	Communicates <i>Schwarzschild 1916b</i> to the PAW.
Feb 25	Performs a demonstration experiment at the DPG for the proof of Ampère's molecular currents, published as "A Simple Experiment to Demonstrate Ampère's Molecular Currents" (Vol. 6, Doc. 28).
Mar 8	A. Braumüller, Kommandant der Residenz Berlin, asks whether Einstein, a Swiss citizen, is a salaried member of the PAW and, if so, requests copies of his file. Complains that, when traveling, Einstein has repeatedly neglected to register with the police, either in Berlin or at his destination, which he is obliged to do as a national of a neutral foreign country.
Mar 14	Obituary for E. Mach (Vol. 6, Doc. 29).
Mar 16	The PAW, with M. Planck's signature, releases copies of Einstein's personal file to the Berlin Kommandantur.
Mar 20	"The Foundation of the General Theory of Relativity" (Vol. 6, Doc. 30). An unpublished "Appendix" supplies his "Formulation of the Theory on the Basis of a Variational Principle" (Vol. 6, Doc. 31).
Mar 23	Lectures "Über einige anschauliche Überlegungen aus dem Gebiete der Relativitätstheorie" to the PAW.
Apr 6	Begins three-week vacation in Switzerland.
May 5	Succeeds Haber as chairman of the DPG.
Jun 2	Delivers two lectures to the DPG on a thermodynamic derivation of the photochemical equivalence law and on an elementary explanation of water waves and of flight.
Jun 21	At H. Rubens's Wednesday colloquium, reviews Gans's theory of diamagnetism and paramagnetism.
Jun 22	Presents his "Approximative Integration of the Field Equations of Gravitation" (Vol. 6, Doc. 32) to the PAW.
Jun 29	Eulogizes K. Schwarzschild at a public session of the PAW (Vol. 6, Doc. 33).
ca. Jul 3	Einstein-Marić is confined to bed in Zurich for more than a year.
Jul 13	Elected a member of the commission of the PAW to decide the Schwarzschild succession.
Jul 17	"Emission and Absorption of Radiation in Quantum Theory" (Vol. 6, Doc. 34).

Jul 21	Delivers two lectures to the DPG on the quantum theory of absorption and emission of radiation, and on directed wireless telegraphy.
ca. Aug	“Preface” to E. Freundlich, <i>The Foundations of Einstein’s Theory of Gravitation</i> (Vol. 6, Doc. 35).
Aug 11	Review of H. A. Lorentz, <i>Statistical Theories in Thermodynamics: Five Lectures . . .</i> , and Einstein’s “Summary of <i>The Foundation of the General Theory of Relativity</i> ” (Vol. 6, Docs. 36 and 37).
after Aug 24	“On the Quantum Theory of Radiation” (Vol. 6, Doc. 38) is published.
Aug 25	“Elementary Theory of Water Waves and of Flight” (Vol. 6, Doc. 39) is published.
Sep 27	Begins two-week visit to Holland.
Oct 16–Mar 15, 1917	Offers a course on relativity at the University of Berlin, Thursdays, 2–4 P.M.
Oct 19	“On Friedrich Kottler’s Paper: ‘On Einstein’s Equivalence Hypothesis and Gravitation’” (Vol. 6, Doc. 40).
Oct 26	Submits “Hamilton’s Principle and the General Theory of Relativity” (Vol. 6, Doc. 41) to the PAW.
Oct 27	Delivers first part of a lecture on the quantum theory of radiation to the DPG, presumably based on his paper “On the Quantum Theory of Radiation” (Vol. 6, Doc. 38).
Nov 10	Delivers second part of lecture on the quantum theory of radiation to DPG.
Nov 23	With H. Rubens, supports M. Planck’s suggestion in the physical-mathematical class of the PAW that A. Sommerfeld’s paper (<i>Sommerfeld 1916a</i>) be awarded the Helmholtz Prize.
Dec	Completes <i>On the Special and the General Theory of Relativity (A Popular Account)</i> (Vol. 6, Doc. 42).
Dec 20–21	Signs contract with F. Vieweg for the publication of a book entitled “Die Grundgedanken der speziellen und allgemeinen Relativitätstheorie in gemeinverständlicher Darstellung,” completed 1 February 1917.
Dec 30	Is appointed to the board of trustees of the Physikalisch-Technische Reichsanstalt, to the seat formerly held by K. Schwarzschild.

1917

- Jan 7 A. Haas nominates Einstein for Nobel Prize, citing work in the theory of gravitation.
- Jan 18 A. von Harnack announces Franz Stock's intention of donating 540,000 M to the KWG. The interest from war bonds in the amount of 500,000 M is to be applied toward the planned KWI, the establishment of which had been broken off at the beginning of the war.
- Jan 21 P. Weiss nominates Einstein for Nobel Prize, citing work in theoretical and experimental physics.
- Jan 23 E. Warburg nominates Einstein for Nobel Prize, citing work in quantum theory, relativity theory, and gravitation.
- Feb First serious symptoms of chronic gastric condition.
- Feb 8 Submits "Cosmological Considerations in the General Theory of Relativity" (Vol. 6, Doc. 43) to the PAW.
- Feb 17 "Reply to the Plaintiff's Written Statement of 27 December, 1916" (Vol. 6, Doc. 44).
- Mar 14 Participates for the first time in a meeting of the board of trustees of the Physikalisch-Technische Reichsanstalt.
- Mar 29 His "cat's back" airfoil is tested in the wind tunnel of the Versuchsanstalt für Flugtechnik, Göttingen.
- Apr 13 Prussian Minister of Education appoints Einstein for one year, with M. Born and H. Rubens, to a ministerial oversight committee for physics of the Königlich Wissenschaftliches Prüfungsamt in Berlin, which examines candidates for academic teaching positions.
- Evaluates F. Danziger's "Der Kreislauf im Weltall" submitted 28 February.
- Apr 16–Aug 15 Continues lectures on the theory of relativity at the University of Berlin, Thursdays, 2–4 P.M.
- Apr 27 Reports to the DPG on an elementary deduction of the Hamilton-Jacobi equation.
- May 11 Reelected chairman of the DPG.
- Lectures "On the Quantum Theorem of Sommerfeld and Epstein" (Vol. 6, Doc. 45).
- May 25 Chairs session of DPG at which F. Ehrenhaft lectures on subelectrons.

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| Jun 4 | The Imperial Academy of Sciences in Vienna announces that the Baumgartner Prize in the amount of 3,000 crowns is awarded to Einstein and W. J. De Haas for “A Simple Experiment to Demonstrate Ampère’s Molecular Currents” (Vol. 6, Doc. 28). |
| Jun 26 | Attends meeting of Koppel-Foundation representatives and senate of KWG, at which it is decided to establish the KWIP on 1 October, with Einstein as director. |
| Jun 29 | Departs for summer vacation in Switzerland, combined with a lecture in Frankfurt and a visit to his mother in Heilbronn. |
| Jul 6 | The KWG grants 50,000 M annually to the KWIP. Einstein is appointed director, with an annual salary of 5,000 M. The organization of the institute and the composition of the boards of trustees and directors, the latter consisting exclusively of “physicists” (F. Haber, W. Nernst, M. Planck, H. Rubens, E. Warburg) are provisional (for the duration of the war). |
| after Aug 29 | Rózsika (Zorka) Marić reports from Zurich on arrival at her sick sister Mileva’s home to help in the household. |
| Sep 12 | In Berlin, takes up new residence at Haberlandstr. 5. |
| before Oct 14 | Signs “Manifesto for a Peace of Reconciliation,” addressed to the German chancellor by University of Berlin professors. |
| Oct 1 | Takes up duties as director of the KWIP. |
| Oct 1–Feb 2, 1918 | Offers a course on statistical mechanics and quantum theory at the University of Berlin, Thursdays, 2–4 P.M. |
| Oct 26 | Attends meeting of the Organization of the Like-Minded (Vereinigung Gleichgesinnter) at the home of Werner Weisbach in Berlin. |
| Nov 2 | “Review of Hermann von Helmholtz: <i>Two Lectures on Goethe</i> ” (Vol. 6, Doc. 46). |
| Nov 16 | Reviews for the DPG the scientific papers of the late M. von Smoluchowski, and lectures on the problem of boundary conditions in the general theory of relativity. |
| Nov 22 | Submits “A Derivation of Jacobi’s Theorem” (Vol. 6, Doc. 47) to the PAW. |
| Nov 26 | Joint constituent meeting of the boards of trustees and directors of the KWIP. W. von Siemens is elected chairman of the |

board of trustees; Einstein, chairman of the board of directors. The responsibilities of the two boards are budgetary for the former, and strictly scientific for the latter.

- Dec 4 Attends meeting of the Organization of the Like-Minded.
- Dec 14 “Obituary for Marian von Smoluchowski” (Vol. 6, Doc. 48).
- Dec 16–20 Announcement on the founding of the KWIP in local and national newspapers.
- Dec 21 Applications for research grants from the KWIP begin to arrive from various researchers.
- Dec 25 “The Nightmare” (Vol. 6, Doc. 49).
- ca. Dec 25 Becomes bedridden for several months with an abdominal ulcer.

1918

- Jan 4 F. Ehrenhaft nominates Einstein for Nobel Prize, referring to his previous proposal, to the general theory of relativity developed in the meantime, and to the confirmation of Ampère’s molecular theory.
- Jan 17 E. Warburg nominates Einstein for Nobel Prize, citing work in quantum theory, relativity theory, and gravitation. Further proposals are made by W. Wien, M. von Laue, E. Meyer, and S. Meyer.
- Jan 20 A memorandum marked “secret” by Von Berge, chief of staff, Oberkommando in den Marken, to the police president of Berlin, informing him that passport applications by well-known pacifists and radical Social Democrats need prior approval from the military command. Einstein’s name was listed ninth on the blacklist of thirty-one drawn up by the political division of the Berlin police.
- Jan 31 Because of Einstein’s illness, M. Planck submits and comments on Einstein’s paper “On Gravitational Waves” (Vol. 7, Doc. 1) and communicates *Freundlich 1918* to the plenary session of the PAW in his stead.
- Feb 5 “Note on E. Schrödinger’s Paper ‘The Energy Components of the Gravitational Field’” (Vol. 7, Doc. 2).
- Mar 3 “Comment on Schrödinger’s Note ‘On a Solution of the Generally Covariant Gravitational Equations’” (Vol. 7, Doc. 3).

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| Mar 6 | “On the Foundations of the Theory of General Relativity” (Vol. 7, Doc. 4). |
| Mar 7 | On behalf of the ailing Einstein, M. Planck submits “Critical Remarks on a Solution of the Gravitational Equations Presented by De Sitter” (Vol. 7, Doc. 5) to the PAW. |
| Mar 17 | The philosophical faculty of the University of Göttingen awards him the biannual Vahlbruch Prize in the amount of 11,000 M, given to German-speaking authors of significant papers in the natural sciences. |
| Mar 21 | “Can Refractive Indexes of Bodies Be Experimentally Established for X-Rays?” (Vol. 7, Doc. 6). |
| Mar 31 | The Peter Wilhelm Müller Foundation awards him and D. Hilbert an honorary prize for achievements in the mathematical sciences. |
| Apr 4 | For the first time since December 1917, attends a meeting of the PAW. |
| Apr 11 | Communicates <i>Weyl 1918b</i> to the PAW, explaining that it contains an interesting hypothesis which is nevertheless unfruitful for physics. |
| Apr 18 | Asks the plenary session of the PAW whether he should present a manuscript, <i>Weyl 1918b</i> , which is physically untenable. W. Nernst requests that Einstein add his objections to the manuscript. The PAW suggests postponement until Einstein has communicated further with the author. |
| Apr 26 | Chairs the DPG session in celebration of M. Planck’s 60th birthday. Delivers his talk “Planck als wissenschaftliche Persönlichkeit,” published as “Motives of Research” (Vol. 7, Doc. 7). |
| before Apr 27 | At the prompting of G. Nicolai, suggests to Hilbert and others a collective appeal, to be individually composed and addressed to neutral countries as a token of the international spirit of Germany’s intellectuals. |
| May 2 | Communicates <i>Weyl 1918b</i> and his own “Supplement” (Vol. 7, Doc. 8) to the PAW. |
| May 10 | Elected member of the advisory committee of the DPG. |
| May 16 | Submits “The Energy Theorem in the General Theory of Relativity” and “Supplement to the Correction” (Vol. 7, Doc. 9) to the PAW. |

Jun 12	Signs divorce agreement.
Jun 14	Lectures on an edge phenomenon observed in X-ray images indicating total reflection, and on the conservation of energy in the general theory of relativity.
Jun 20	Lectures “Über eine von Levi-Civita und Weyl gefundene Vereinfachung der Riemannschen Theorie der Krümmung und über die hieran sich knüpfende Weylsche Theorie der Gravitation und Elektrizität” to the PAW.
Jun 21	Publishes review of H. Weyl’s <i>Raum–Zeit–Materie</i> (Vol. 7, Doc. 10).
Jun 29	Leaves for Ahrenschoop with Elsa Einstein and her daughters Margot and Ilse.
Jul 16	Writes an expert opinion for Anschütz & Co. (Vol. 7, Doc. 11).
Aug 16–18	In reply to E. Meyer and H. Zangger’s proposal to explore the possibility of a joint appointment at the University of Zurich and at the ETH, Einstein declines, but offers to hold guest lectures of 5–6 weeks’ duration twice a year.
Aug 24	Returns to Berlin from Ahrenschoop vacation.
Aug 31	Admission of adultery with his cousin Elsa is introduced as cause for divorce in legal proceedings of November 1918.
Sep 30–Feb 1, 1919	Offers a course on relativity at the University of Berlin, Thursdays, 2–4 P.M. First lecture recorded on October 11.
Oct 17	Communicates a paper by L. Lichtenstein, “Über einige Eigenschaften der Gleichgewichtsfiguren rotirender homogener Flüssigkeiten, deren Teilchen einander nach dem Newtonschen Gesetz anziehen,” and <i>Born, M. and Landé 1918</i> to the PAW.
before Oct 18	Nobel Committee for Physics invites Einstein to submit a nomination for the 1919 Nobel Prize.
Oct 22	The Philosophical Faculty of the University of Zurich approves E. Meyer’s suggestion for periodic lectures by Einstein.
Nov 7	Is granted an annual cost of living allowance of 1,152 M, due to the war, retroactive as of April 1918; 648 M retroactively for the period July 1917 through March 1918; and two one-time payments of 1,000 M each in September and November 1918, by the Ministry of Education.

Nov 9	Abdication of the German emperor. Einstein makes a speech to the Students' Council in the Reichstag, and has brief audience with F. Ebert, head of the first republican government.
Nov 13	Addresses the Bund "Neues Vaterland": draft statement published as Vol. 7, Doc. 13.
Nov 16	Signs an appeal to join the Demokratische Partei. His name is affixed to a call for the founding of the Demokratischer Volksbund. In the <i>Berliner Tageblatt</i> , declares that he has no intention of joining the organization, and that he is not a member of the Demokratische Partei.
Nov 20	First hearing before the Zurich district court in the divorce proceedings filed by Mileva Einstein-Marić. Einstein does not appear. His interrogation before a Berlin court has been postponed.
Nov 29	"Dialogue on Objections to the Theory of Relativity" (Vol. 7, Doc. 14). "Comment on E. Gehrcke's Note 'On the Ether'" (Vol. 7, Doc. 15).
Dec 7	Affidavit acknowledging receipt of stocks and shares from Rudolf Einstein as Elsa's dowry, to be transferred to her or to her children upon his death.
Dec 12	Statement to the Verein Allgemeine Nährpflicht (Vol. 7, Doc. 16).
Dec 23	Interrogated by the Berlin municipal court at the request of the Zurich district court in his divorce case.
1919	
Jan 5	Spartakus uprising in Berlin.
before Jan 9	Travels with Elsa Einstein to Switzerland.
Jan 9	E. Warburg nominates Einstein for the Nobel Prize in Physics for the quantum hypothesis, the theory of relativity, and the theory of gravitation.
Jan 15	Communist leaders K. Liebknecht and R. Luxemburg murdered.
Jan 19	M. Planck nominates Einstein for Nobel prize in physics for general relativity, for its definition of inertia and gravitation, and for thus providing a novel foundation to mechanics.

	Elections for the German National Assembly.
Jan 20	A 24-hour course on the theory of relativity by Einstein is scheduled to begin at the University of Zurich, to last until 20 February.
	In Zurich, resides at Pension Sternwarte.
after Jan 23	Co-signs “Erklärung in Sachen Liebknecht-Luxemburg” drafted by the <i>Liga zur Beförderung der Humanität (Menschheitsbund)</i> .
Jan 27	Registers his change of address from Berlin to Zurich, Hochstr. 37/Merz.
Jan 30–31	S. Arrhenius nominates Einstein for the Nobel Prize in Physics for fundamental work on Brownian motion and related problems.
Feb 3	Announces that he will offer a course for war veterans during intermediate semester on theory of relativity at the University of Berlin. Began holding these lectures after his return from Zurich at the end of February.
Feb 7	H. Weyl expects a “big dispute” with Einstein about Weyl’s “new extension of the theory of relativity” in the Physics Colloquium to take place that evening.
Feb 8	As member of Freundes-Rat des Internationalen Jugend-Bundes et al., co-signs “Aufruf an die freie Jugend aller Stände und Völker.”
Feb 11	F. Ebert elected <i>Reichspräsident</i> .
Feb 14	Divorce from Mileva Einstein-Marić.
Feb 21	K. Eisner, prime minister of Bavaria, member of the Unabhängige Sozialdemokratische Partei Deutschlands, is assassinated.
before Feb 23	Returns from Switzerland.
Feb 23	In home of L. Landau, discusses founding of an “Akademie für die Wissenschaft des Judentums.”
Mar 4	The Department of Education, Canton of Zurich, grants Einstein a 24-hour course on theoretical physics in summer semester 1919, with an honorarium of 1,200 fr.
Mar 15	KWIP board of directors informs physics institutions in Germany that research stipends are available. The KWIP has 81,000 M at its disposal.

April	A “Davis” typewriter is purchased for his secretary, Ilse Einstein, for 900 M.
Apr 7	Bavarian Soviet Republic is declared in Munich.
Apr 10	Divorce decree is delivered by a court bailiff to Einstein. Submits “Do Gravitational Fields Play an Essential Role in the Structure of the Elementary Particles of Matter?” (Vol. 7, Doc. 17) to the PAW.
Apr 11 to 15	Delivers a 1.5-hour popular lecture on “Grundgedanken der Relativitätstheorie” in the Viktoria-Luisen-Schule at the invitation of Sozialistischer Studentenverein to raise money for the organization.
Apr 24	Submits “Comment about Periodical Fluctuations of Lunar Longitude, Which So Far Appeared to Be Inexplicable in Newtonian Mechanics” (Vol. 7, Doc. 18) to the PAW.
before Apr 26	Joins a commission constituted to examine charges concerning German conduct in war, with findings to be published in Germany.
Apr 28–Aug 15	Offers a course on relativity theory at the University of Berlin, Sundays, 5:30–7 P.M. (see also Vol. 7, Doc. 19).
Summer semester	Course in theoretical physics at the University of Zürich. Draws 15 students and 22 auditors.
May 1–3	Bavarian Soviet Republic defeated by the Reichswehr and the Bavarian Freikorps.
May 7	Co-signs the Bund “Neues Vaterland” appeal, “Aufruf der von Kulturvereinen ganz Deutschlands und von Einzelpersonen unterzeichnet werden soll.” The Allies hand the peace treaty to the German delegation at Versailles.
May 9	Elected member of the executive committee of the DPG. Presents <i>Kossel and Sommerfeld 1919</i> to the DPG.
May 15	Lectures at the PAW on “Eine Veranschaulichung der Verhältnisse im sphärischen Raum” and “Über die Feldgleichungen der allgemeinen Relativitätstheorie vom Standpunkte des kosmologischen Problems und des Problems der Konstitution der Materie.” The latter is a summary of the paper submitted to the PAW on 10 April (Vol. 7, Doc. 17).

May 25	Agrees to serve as a patent expert in a case on optical and physico-chemical phenomena at the request of Allgemeine Gesellschaft für chemische Industrie m.b.H.
May 29	Total solar eclipse observed by two British expeditions, one in Principe, in the Gulf of Guinea, the other in Sobral, in northeastern Brazil.
Jun 2	Marries Elsa Löwenthal in Berlin.
Jun 25	Registers his change of address from Zurich to Berlin.
Jun 26	R. Rolland's "Un Appel: Fièvre déclaration d'intellectuels" with Einstein among thirty-five signatories, is published in <i>L'Humanité</i> .
Jun 28	Leaves for Switzerland. Will commute between Zurich and Lucerne, where his ill mother Pauline resides at his sister Maja's home.
	Treaty of Versailles signed.
Jul 8	The Department of Education, Canton Zurich, while not approving a regular visiting appointment, grants Einstein a 24-hour course on special topics in theoretical physics in winter semester 1919–20 at the University of Zurich.
Jul 10	The Medical Faculty of the University of Rostock votes to confer an honorary doctorate in medicine on Einstein.
after Jul 20	Promises M. Planck he will remain in Berlin.
Jul 24	"Comment on the Preceding Note" (of Albert von Brunn, "On Mr. Einstein's Remark about the Irregular Fluctuation of Lunar Longitude with an Approximate Period of the Rotation of the Lunar Nodes")" (Vol. 7, Doc. 22) is presented to the PAW.
Jul 31	Weimar Constitution adopted.
ca. Aug 5	A meeting of Koch family members takes place in Zurich. Einstein probably participates.
Aug 7	Leaves Zurich for Schaffhausen.
Aug 8	Visits with the Habichts in Schaffhausen.
Aug 9	Arrives in Benzingen.
Aug 15	Returns to Berlin.
	Decides not to lecture in winter term because of overwork.

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| Sep 3 | Is aware that the photographs taken by the two British eclipse expeditions are good, but that the results of their evaluation have not yet been published. |
| after Sep 21 | His signature on preface of first printing of <i>Arco et al. 1919</i> was printed without his approval. He withdraws from co-editorship. |
| Sep 22 | First results of the test of Einstein's general theory of relativity by the British solar eclipse expeditions communicated to Einstein by H. A. Lorentz (Vol. 9, Doc. 110). |
| Oct 3 | Participates in the first session of the conference of Kartell der deutschen Akademien, advocates freedom for individuals to act as they wish in international relations. |
| Oct 4 | Holds discussion with leading Zionists on Hebrew University. Mentions P. Epstein and perhaps also P. Ehrenfest as prospective professors (Vol. 9, Docs. 122 and 136). |
| Oct 8 | <i>Moszkowski 1919</i> is published, in which a full confirmation of Einstein's prediction on bending of light is claimed. |
| Oct 9 | Signs his notice "A Test of the General Theory of Relativity" (Vol. 7, Doc. 23), reporting on Lorentz's telegram. |
| Oct 10 | With H. G. Kessler, G. Nicolai, and others, discusses plan for distributing several million printed volumes in Russia ("Volksbüchereiprojekt"). |
| after Oct 13 | Signs the appeal "Für den Aufbau des jüdischen Palästina." |
| Oct 17 | "A Test of the General Theory of Relativity" (Vol. 7, Doc. 23) is published. |
| Oct 18 | Leaves Berlin for two weeks to stay with the Ehrenfests in Leyden. |
| Oct 25 | Attends meeting of the Royal Academy of Sciences in Amsterdam, at which Lorentz informally announces results of British eclipse expeditions confirming Einstein's prediction of light deflection by gravitation. |
| Oct 28 | Visits at W. Julius's home in Utrecht. |
| Nov 2 | Planned return from Leyden to Berlin. |
| Nov 4 | The Berlin University bursar reports that Einstein received 137 M and 20 pfennig lecture fees for summer and <i>Zwischensemester</i> 1919. |

Nov 6	Joint meeting of the Royal Society and Royal Astronomical Society hears the report on the verification of the theory of general relativity by the British eclipse expeditions.
Nov 13	Presents M. Born and O. Stern, “Über die Oberflächenenergie der Kristalle und ihren Einfluß auf die Kristallgestalt” and Jakob Grommer, “Über das Energiegesetz der allgemeinen Relativitätstheorie” to the PAW.
Nov 14	Applies to Berlin police for an entry visa and a 10-day residence permit for Maja Winteler-Einstein and Josephine Tobler. They will move his ill mother Pauline from Switzerland to Berlin.
Nov 17	“Leo Arons as Physicist” (Vol. 7, Doc. 24).
Nov 18	In testimony before the Committee on Investigation inquiring into the German military’s conduct of the war, General P. von Hindenburg launches the “stab-in-the-back” (“Dolchstoß”) legend.
Nov 25	Departs for Rostock, where he resides with M. Schlick.
Nov 26	The Prussian Constituent Assembly resolves to request that the Prussian state cabinet, in agreement with the Reich state cabinet, seek adequate funding for facilitating further relativistic research in collaboration with other nations, and also to support Einstein’s own research.
Nov 26–28	Participates in the 500th anniversary of the University of Rostock, where he receives an honorary doctorate from the medical faculty.
Nov 28	“Time, Space, and Gravitation” (Vol. 7, Doc. 26) is published.
Nov 29 or 30	Returns from Rostock.
Nov 30	Participates in a discussion of specialists on the economic situation of Germany.
Dec 3	Interview with <i>New York Times</i> : “Einstein Expounds His New Theory.”
Dec 9	Ministerial decree granting Einstein a salary raise from 12,000 M to 18,000 M.
Dec 10	Elsa Einstein describes the intense public interest, the many letters, interviewers, and photographers who daily intrude upon their household.

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| Dec 12 | The Council of the Royal Astronomical Society selects Einstein as recipient of the society's Gold Medal. |
| Dec 14 | Is asked whether he would consider an offer for the chair of theoretical physics at the University of Zurich (Vol. 9, Doc. 214).

A photograph of Einstein on the cover of <i>Berliner Illustrierte Zeitung</i> , with caption likening his achievements to those of Copernicus, Kepler, and Newton. |
| Dec 16 | Under the auspices of the Bund "Neues Vaterland" delivers a speech in honor of P. Colin (Vol. 7, Doc. 27). |
| Dec 17 | Takes part in a meeting of board of directors of DPG on reorganizing the publications of the DPG. |
| Dec 18 | In interview in Berlin, dismisses false rumors that he will accept a call to the future university in Jerusalem. He also states that he is neither a Communist, nor an anarchist. |
| before Dec 20 | Accepts invitation to join the editorial board of <i>Mathematische Annalen</i> as editor responsible for physics. |
| Dec 20 | Withdraws offer to lecture at University of Zurich during summer semester of 1920. |
| after Dec 20 | Once again declines E. Meyer's inquiry as to whether he would accept a professorship at the University of Zurich. |
| Dec 25 | "Induction and Deduction in Physics" (Vol. 7, Doc. 28) is published. |
| Dec 28 | Pauline, Maja, a nurse, and Dr. J. Tobler arrive in Berlin from Switzerland. |
| Dec 30 | "Immigration from the East" (Vol. 7, Doc. 29) is published.

At meeting of the DPG with Vieweg on the new journal of the DPG and a merger of several abstracting journals into one, signs a report introducing new measures for the publication of the society's <i>Verhandlungen</i> . |

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| | Becomes third chairman of the Verein zur Gründung und Erhaltung einer Akademie für die Wissenschaft des Judentums. |
| early 1920 | Appeal signed by F. Haber, A. von Harnack, G. Müller, W. Nernst, M. Planck, H. Rubens, H. Struve, and E. War- |

- burg for contributions by industry to the Einstein Donation Fund.
- Jan 9 The Council of the Royal Astronomical Society does not confirm its earlier decision to award Einstein its Gold Medal.
- Jan 10 Treaty of Versailles comes into effect.
- Jan 15 Lectures on “Das Trägheitsmoment des Wasserstoff-Moleküls” to the PAW.
At the same session, signs a motion to elect A. Sommerfeld and P. Debye as corresponding members.
- Jan 17 L. S. Ornstein nominates Einstein for the Nobel Prize in Physics for 1920, for general relativity and the theory of gravitation.
- Jan 24 Is recommended for Nobel Prize by H. A. Lorentz, W. Julius, P. Zeeman, and H. Kamerlingh Onnes: “By making progress in the field of gravitation for the first time since Newton, he has placed himself among the first tier of physicists of all time.”
- Jan 26 Initiates and signs declaration in support of G. Nicolai (Vol. 7, Doc. 32).
- Feb 4 Starts a series of ten one-hour lectures for the Greater Berlin Adult Education Program on kinematics, equilibrium of bodies, and relativity.
- Feb 5 Probably gives first Thursday evening lecture on relativity of the winter semester 1919/20 at the University of Berlin.
- Feb 9 The Leidsch Universiteitsfonds nominates him to special professorship at the University of Leyden.
- Feb 12 His weekly lecture at the University of Berlin is broken up by students protesting against his open admission policy.
- Feb 13 “Uproar in the Lecture Hall” (Vol. 7, Doc. 33) is published.
In telephone statement to C. H. Becker, declares that press accounts of the uproar are tendentious; sees no reason for remonstrating against the presence of nonstudents. “Utter chaos” (“wüste Lärmszenen”) did not take place.
- Feb 14 The Ministry of Education publishes a statement on the events at Einstein’s lecture of 12 February. The protest against admission of unauthorized persons was not political, even less anti-Semitic. The next lecture will be delivered as

- a public one in the Auditorium Maximum of the university on Friday, 6 P.M.
- Feb 17 States conditions for further participation in his classes in *Berliner Tageblatt*.
- Feb 18 The Student Committee of the University of Berlin confirms that there was no uproar at Einstein's lecture, and blames the newspapers for using the events for their own purposes.
Einstein's statement on founding of Hebrew University, possibly solicited by H. Bergmann (see Vol. 9, Doc. 266) and intended for publication in brochure.
- Feb 19 Berlin students apologize to Einstein for disturbances at his lecture (Vol. 9, Doc. 320).
- Feb 20 Pauline Einstein dies.
Continues his lectures to a packed Auditorium Maximum at the University of Berlin.
At session of the DPG, M. von Laue presents the photographs taken by the British solar eclipse expeditions proving light deflection by the Sun.
- Feb 21 Is elected board member of the Deutsches Museum, Munich.
- Feb 23 Pauline Einstein is buried in the Maxstr. cemetery of Berlin-Schöneberg.
- Mar 13 Kapp Putsch in Berlin.
- Mar 14 Largest general strike on record in Germany. Ebert-Bauer cabinet takes refuge in Dresden, then Stuttgart.
- Mar 17 Military coup fails, Kapp resigns as chancellor.
- Apr 4 "An Exchange of Scientific Literature" (Vol. 7, Doc. 36) is published.
- Apr 5 Sends reply to Central-Verein deutscher Staatsbürger jüdischen Glaubens (Vol. 7, Doc. 37).
- before Apr 7 Completes "Ether and the Theory of Relativity" (Vol. 7, Doc. 38).
- Apr 8 Submits "Propagation of Sound in Partly Dissociated Gases" (Vol. 7, Doc. 39) to the PAW.
- Apr 9 Is elected foreign member of the Royal Danish Academy of Sciences and Letters.

before Apr 19	Is a sponsor of the Anglo-American University Library for Central Europe (see Vol. 9, Doc. 379).
Apr 23	Is elected corresponding member of the Royal Dutch Academy of Sciences.
around Apr 27	Meets for the first time with N. Bohr in Berlin.
after May 4	Travels to the Netherlands.
May 6	Arrives in Utrecht.
May 7	Arrives in Leyden.
May 11	Co-signs nomination of M. von Laue as ordinary member of the PAW.
May 14	Visits at H. A. Lorentz's home.
May 17	French and Belgian troops leave the cities in Germany that they had occupied.
May 19	Lectures on "Raum und Zeit in der neueren Physik" at the University of Leyden. His salary as director of the KWIP is doubled to 2,500 M.
May 29	Inducted as foreign member into the Royal Dutch Academy of Sciences.
May 30	Co-signs an appeal in favor of the republican constitution that condemns violence and warns of the danger of destructive criticism to political freedom.
Jun 1	Arrives in Berlin.
Jun 2	Awarded the Barnard Medal of Columbia University.
Jun 6	General elections in Germany.
Jun 12	With Ilse Einstein, leaves Berlin for Oslo at the invitation of the Norwegian Students' Union.
Jun 14	Margot Löwenthal's last name is officially changed to "Einstein."
Jun 15	Delivers his first lecture in Oslo on special relativity.
Jun 17	Second lecture in Oslo on general relativity.
Jun 18	Third lecture in Oslo on cosmological consequences of general relativity. Is elected honorary member of the Norwegian Students' Association.
Jun 24	Arrives in Copenhagen.

Jun 25	Lecture on “Gravitation und Geometrie” to the Royal Danish Astronomical Society in the ceremonial hall of the Technical University of Copenhagen.
Jun 28	Einstein and Ilse leave Denmark for Germany.
Jun 29	Arrives in Berlin.
Jul 1	Takes the oath of allegiance to the national constitution.
Jul 5–16	International conference of Germans and Allies at Spa.
Jul 11	Statement to the German Central Committee for Foreign Relief (Vol. 7, Doc. 40).
after Jul 11	Statement on the Quaker Relief Effort (Vol. 7, Doc. 41).
Jul 16	Completes “To the ‘General Association for Popular Technical Education’” (Vol. 7, Doc. 42).
Jul 17	Presents lecture “Grundlagen der Relativitätstheorie” at the University of Hamburg.
Jul 24	“To the ‘General Association for Popular Technical Education’” (Vol. 7, Doc. 42).
Jul 25	“On New Sources of Energy” (Vol. 7, Doc. 43) is published.
Jul 26	Is nominated to special professorship by the Leyden University council for three years with annual remuneration of 2,000 guilders.
Aug 2	The first attack of P. Weyland on Einstein.
Aug 3	“Comment on the Paper by W. R. Heß, ‘Contribution to the Theory of the Viscosity of Heterogeneous Systems’” is received (Vol. 7, Doc. 44).
Aug 24	Present at first meeting of the Arbeitsgemeinschaft deutscher Naturforscher zur Erhaltung reiner Wissenschaft e. V. in the Berlin Philharmonic Hall. Speakers are P. Weyland and E. Gehrcke.
Aug 27	“My Response. On the Anti-Relativity Company” (Vol. 7, Doc. 45).
	Rumor published in <i>Berliner Tageblatt</i> that Einstein plans to leave Germany as a result of hate campaign against him.
Sep 2	Second meeting against relativity at the Philharmonic Hall.
Sep 11	Aphorism signed: “Auch in wissenschaftlichen Dingen wird die herrschende Meinung durch das Urteil Weniger bestimmt. Nur wenige nehmen die Mühe auf sich, sich

- ⟨selbst⟩ ihr Urteil selbst zu bilden. Albert Einstein” [70 447].
- Sep 13 Leaves Berlin for Kiel, Bad Nauheim, Stuttgart, Sigmaringen, Benzingen, Leyden, and Hannover.
- Sep 15 Lectures on “Raum und Zeit im Lichte der Relativitätstheorie” at Kiel Autumn Week for Arts and Sciences.
- Sep 20 Start of the 86th meeting of the GDNÄ in Bad Nauheim.
- Sep 21 At the business meeting of the DPG in Bad Nauheim, participates in the discussion of a proposed fusion of *Zeitschrift für Physik* and *Annalen der Physik*.
Queen Wilhelmina issues decree confirming Einstein’s appointment as Special Professor at the University of Leyden.
- Sep 22 Elected to membership of the Scientific Committee of the GDNÄ.
- Sep 23 Opens combined mathematical and physical sections of the Bad Nauheim meeting dedicated to relativity theory.
- Sep 24 “A Confession” (Vol. 7, Doc. 37).
Elsa Einstein joins him in Bad Nauheim.
- Sep 26 Closing of the Bad Nauheim meeting.
- Sep 28 In Stuttgart, delivers a lecture at the Verein “Schwäbische Sternwarte” for the establishment of an observatory.
- after Sep 29 Draft on the “Contribution of Intellectuals to International Reconciliation” (Vol. 7, Doc. 47) is completed.
- Oct 1 Is offered a special lectureship at Princeton University.
- Oct 2 “Grüsse an die norwegischen Studenten” (Vol. 10, Doc. 141) is published.
- Oct 4 The minister of finance allocates 200,000 M for the purchase of a spectrograph from Carl Zeiss Company, Jena. The government of Potsdam has no objections to the construction plan.
- Oct 6 Meets his sons Hans Albert and Eduard in Sigmaringen and takes them to Benzingen.
The ministry of education publishes Einstein’s letter to K. Haenisch (Vol. 10, Doc. 137) to deny rumors that Einstein is leaving Germany for a foreign university.

Oct 16–Mar 15	Is listed as offering course on various topics in theoretical physics at the University of Berlin.
Oct 21	Arrives in Leyden.
Oct 25–31	“Magnet-Woche” at the University of Leyden.
Oct 27	Presents “Ether and the Theory of Relativity” as inaugural lecture in Leyden.
Nov 2	Visits Spinoza House in Rijnsburg.
Nov 3	Lectures in Hannover.
Nov 7	Returns to Berlin.
after Nov 11	“Private Expert Opinion for Telefunken on the Patents of Meissner and Kühn” (Vol. 7, Doc. 48).
Nov 15	First session of the League of Nations is held in Geneva.
Nov 20	“Response to Ernst Reichenbächer, ‘To What Extent Can Modern Gravitational Theory Be Established without Relativity?’” (Vol. 7, Doc. 49) is signed.
after Dec 8	“Brief Outline of the Development of the Theory of Relativity” (Vol. 7, Doc. 50) is signed.
Dec 15	Co-signs petition to pardon ten commissars of the Hungarian Soviet Republic.
Dec 31	Awarded the Order Pour le mérite for Science and the Arts (Peace Class).

CUMULATIVE INDEX TO VOLUMES 1–10

In the following index, *CPAE* volumes are indicated by bold Arabic numbers. For any given volume, page numbers in italics indicate editorial apparatus; a lowercase “n” following a page number indicates an endnote to an Einstein document; and a lowercase “c” indicates a reference to the Calendar. Entries are listed under the appropriate English heading; institutions, organizations, and concepts that have no standard English translation are listed under their German designation. “Albert Einstein” is abbreviated to “AE” in subentries. Other abbreviations used are “DPG” for “Deutsche Physikalische Gesellschaft,” “ETH” for “Eidgenössische Technische Hochschule,” “GDNÄ” for “Gesellschaft Deutscher Naturforscher und Ärzte,” “KWG” for “Kaiser-Wilhelm-Gesellschaft,” “KWIP” for “Kaiser-Wilhelm-Institut für Physik,” and “PAW” for “Preußische Akademie der Wissenschaften.”

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ERRATA TO VOLUMES 1–10

The following lists all significant errata to Volumes 1–10 that have come to our attention. Trivial printing or spelling errors, corrections to years of birth and death of individuals, and errors in the indexes and literature cited are not included; the latter have been silently incorporated in the Cumulative Index and the Cumulative Bibliography, respectively. We also note two global corrections: in Volume 7, the word “Königlich” in “Königlich Preußische Akademie der Wissenschaften” should be omitted in all occurrences from p. 130 on, and in Volumes 8, 9, and 10 Hans Albert Einstein’s nickname should be Adn, instead of Adu.

	WRONG	CORRECT
Volume 1		
P. 242, line 14	and	und
P. 371, line 32	p. 12	p. 14
Volume 2		
P. x, line 33	1906	1905
P. 167, footnote 10	“Wirkliche Moleküle” (“real molecules”) are presumably those that are not dissociated.	“Wirkliche Moleküle” (“real molecules”) are actual molecules. Einstein uses this terminology because the word “Molekül” was also used for a mole (see, e.g., <i>Einstein 1904</i> [Doc. 5], pp. 358–359, for this usage).
P. 172, line 13	the size of molecules	Avogadro’s number
P. 183, line 5	1906	1905
Volume 3		
Pp. 402–407 (running header)	COMMENTS	COMMENT
Volume 4		
P. 145, note 23	Doc. 16	Doc. 17
P. 196, line 15	$\Delta(\phi, \psi) = \gamma_{\mu\nu} \phi_{,\mu} \psi_{,\omega}$	$\Delta(\phi, \psi) = \gamma_{\mu\nu} \phi_{,\mu} \psi_{,\nu}$

	WRONG	CORRECT
Volume 5		
P. xxxiii, line 31	March 1906	before 27 January 1906
P. 34, line 38	[20 July 1905–summer 1915]	[Munich, between 2 and 5 April 1911]
P. 80		[At the bottom of the page, add:] Allgemeine Elektrizitäts-Gesellschaft, Berlin Angeli & Co, Bern. Wechselstromkollektormaschine ... Beschreibung und Ansprüche bedürfen einiger Korrekturen. 1. Beschr. 1 Orig. Bl. II. Beanst. 1 Monat.
P. 81, line 1	[35 329]	[35 329], [72 269], and [72 270]
P. 81, note 4	patent application	supplementary patent application
P. 81, note 4	it is dated 1 December 1906 (see printed Patentschrift Nr. 38853, SzBeBgE)	it is dated 14 November 1907 (see printed Patentschrift Nr. 39988) [From the passage “Ist ... zu zeigen, dass es dem Hauptanspruch des Hauptpatentes und dem Patentanspruch des vorliegenden Patententes entspricht” follows that the present opinion is not on the Hauptpatent, 38853, but on the supplementary application, 39988.]
P. 81, note 6		[Delete note. It is incorrect because the second complaint refers to the same supplementary patent application 39988 as the first one. It is evident from the notes on the left margin: “1 Beanst. 2 Monate” with the date 11 December 1907, and the date of the second is 11 February 1908, i.e. exactly two months later. After the first <i>Beanstandung</i> , the patent lawyer had sent back the corrected application in time, but Einstein was still not completely satisfied with it.]

	WRONG	CORRECT
P. 419, line 30	sec. 5	sec. 7
P. 437, line 16	Null	NaCl
P. 509, line 39		[The line “Mit den besten ...” should be in regular font.]
P. 529, last line	note 5	note 4
P. 581, lines 23–24	Feodisiya	Feodosiya
P. 614, col. 1, line 4 from below	3 August 1912	3 August 1912 414
P. 615, col. 1, line 30	19 January 1910	19 January 1910 197E
P. 621, line 16		[Delete text starting with “a discovery” and ending with “life.””]

Volume 6

P. 146, Heading	DOC. 12 EXPERT OPINION	DOC 12. AMPÈRE’S MOLECULAR CURRENTS
P. 147, line 17	<i>M</i>	ℳ
P. 233, line 5	PRESENTED	SUBMITTED

Volume 7

P. xlviii, line 8	Historical	Heritage
P. xlviii, line 9	Cheyenne	Laramie
P. 199, line 4	published 10 October	published 17 October
P. 201, line 1	published 10 October	published 17 October
P. 211, lines 1–3	Frederick A. Lindemann (1866–1957), Professor of Experimental Philosophy at the University of Oxford and Head of its Clarendon Laboratory	Adolf F. Lindemann (1846–1931), Fellow of the Royal Astronomical Society, private astronomer at Sidholme
P. 243, line 20	handwritten	typed
P. 301, line 8	1920, GyBP, I. Abt. Rep. 1A, Nr. 937, p. 51	1920
P. 321, line 6	Extraordinary	Special
P. 321, lines 28–29	shortly thereafter (see Einstein to Paul Ehrenfest, 10 July 1920)	on 12 July 1920 (see Cornelis van Vollenhoven to Einstein, 12 July 1920)
P. 381, lines 1–2	[43 862]	[28 007]
P. 448, line 34	Director of the Kaiser Wilhelm Institute for Biochemistry	Head of the Biochemistry Department of the Kaiser Wilhelm Institute for Experimental Therapy

	WRONG	CORRECT
P. 478, line 19	301660	301669
P. 478, line 24	to come from the center if it comes from a direction perpendicular to the line connecting the two microphones	to come from a direction perpendicular to the center of the line connecting the two microphones
P. 570, line 10	1955	1956

Volume 8

P. 85, last line	Wittelsbacherstraße 33	Wittelsbacherstraße 13
P. 166, line 14	[30 August 1915]	[2 July 1917]
P. 167, line 12	[3 September 1915]	[6 July 1917]
P. 175, line 7		[The location “[Berlin]” should be deleted, because Vol. 8, Doc. 122a, was sent from Eisenach the next day, and in it Einstein noted that he and Elsa Einstein were on their way to Berlin.]
P. 220, line 4	TrDft. [83 453]. Original in SzZZa. According to notes attached to the transcription, the original is struck through and enclosed in a letter to Heinrich Zangger of the same date.	ADft (SzZ, Nachl. H. Zangger, box 216). [89 117].
P. 485, line 17	[22 July 1917]	[21 July 1917]
P. 774, line 1	fþTLS	TLS
P. 933, line 28	Doc. 635	Doc. 633
P. 980, col. 2, line 19	Ehrat, Jacob	Ehrat, Jakob
P. 993, lines 20–21	Ehrenbergstraße, Berlin-Dahlem	Wilmsdorferstraße 93
P. 1006, lines 5–6	perhaps in response to aforementioned advertisement	for English translation of <i>Einstein 1917a</i>
P. 1030, line 36	Doc. 14	Doc. 13

Volume 9

P. 7, line 27	1918	1915
P. 34, last 2 lines	Berlin and member of the central committee of the Society of Friends of the New Russia.	Berlin.
P. 35, line 27	<i>Klein, F. 1918b</i>	<i>Klein, F. 1918b</i> . Klein (1849–1925) was Professor Emeritus of Mathematics at the University of Göttingen

	WRONG	CORRECT
P. 40, line 4	In Weyl's approach	Hermann Weyl (1885–1955) was Professor of Mathematics at the Swiss Federal Institute of Technology. In his approach
P. 84, line 17	Einstein's	Elsa's
P. 88, line 10	scalar-free	traceless
P. 148, line 41	Einstein's	Elsa Einstein's
P. 192, line 28	Huhn	Kohn
P. 264, last line	[9 260]	[76 531]
P. 426, line 9	[45 148]	[45 147]
P. 465, line 32	[43 383]	[43 388]
P. 496, line 25	1919	1920
P. 496, line 29	Christiania	Kristiania
P. 499, line 9	Christiania	Kristiania
P. 505, line 17	Johannes A. van den Broek	Antonius Johannes van den Broek
P. 508, line 14	Christiania	Kristiania
P. 572, line 30	ETH	SzZE
P. 578, lines 1–13		[The first 13 lines of p. 578 duplicate text from the previous page and should be deleted.]
p. 578, bottom– P. 579, top	<p>[Add the following text between the p. 578, last line, and p. 579, first line:]</p> <p>October 8 Alexander Moszkowski's article "Die Sonne bracht' es an den Tag" is published in <i>Berliner Tageblatt</i>, in which a full confirmation of Einstein's prediction on bending of light is claimed.</p> <p>October 9 Signs "A Test of the General Theory of Relativity" (Vol. 7, Doc. 23).</p> <p>October 10 Has breakfast in Harry Count Kessler's club with Georg Nicolai and others to discuss a plan for distributing several million volumes in Russia ("Volksbüchereiprojekt"). Provenance: <i>Kessler 1961</i>, p. 202.</p> <p>1-page TDS from Adolf von Harnack in Berlin. Invites Einstein to a meeting and a "beer party" of KWG on 28 October. Asks for names of KWIP staff in order to invite them</p>	
P. 580, line 6	Bd. 1	Bd. 121, Bl. 206
P. 591, line 17	December 20	December 18
P. 592, line 24	to the artist Hans Mühsam	to Hans Mühsam

	WRONG	CORRECT
Volume 10		
Illustration 12, caption	Victor Moritz Goldschmidt, Einstein, and Ilse Einstein	Heinrich Goldschmidt, Einstein, Ole Volbjørnsen, Jørgen Vogt, and Ilse Einstein
P. xv, line 2	Franz Josef	Karl I
P. I, line 9	a botanist at Trinity College	an agricultural specialist
P. 28, line 15	kreisener	kreisende
P. 28, line 25	ihm	ihn
P. 28, line 36	ist 50	ca. 50
P. 31, line 33	rachsichtiger	rachsüchtiger
P. 39, line 32	derer	deren
P. 45, lines 33–34	Einstein attended Kleiner's courses at the Swiss Federal Institute of Technology and submitted his dissertation to him. Kleiner encouraged him to publish his first paper on special relativity	Einstein had submitted his doctoral dissertation to Kleiner (see Vol. 5, Doc. 31). In 1901, Kleiner had encouraged Einstein to publish his ideas on the electrodynamics of moving bodies
P. 73, line 22	Franz Josef	Karl I
P. 74, line 9	Franz Josef I (1830–1918) was emperor of the Austro-Hungarian Monarchy.	Karl I (1887–1922) was crowned ruler of the Austro-Hungarian Monarchy in 1916.
P. 82, line 47	Franz Josef	Karl I
P. 94, line 28	[144 038]	[143 038]
P. 136, line 21	herzig	harzig
P. 214, line 16	Fidelia Brandhuber, sister of Camillus	Fidelia (Brandhuber ?)
P. 219, line 18	east	west
P. 224, line 23	Zurich	Lucerne
P. 286, last 2 lines	was Professor of Physics at the University of Berlin and Head of	was Head of
P. 403, line 22	Germany	Switzerland
P. 472, line 33	Otto Runge	Carl Runge
P. 542, line 22	a botanist at Trinity College, Cambridge University	an agricultural specialist
P. 546	[Text of note 2]	Ernst Lecher (1856–1926) was Professor of Physics at the University of Vienna.
P. 593, line 12	Erhaltung der reinen	Erhaltung reiner

	WRONG	CORRECT
P. 604, line 19	November 3	November 6
P. 604, line 38	Horst	Holst
P. 604, bottom to P. 605, top	<p>[Add the following text between p. 604, last line, and p. 605, first line:] proof of <i>Moszkowski 1921</i>. It was sent to a Danish publisher to solicit a Danish translation. [44 490]. 1-page TLS from Martin Knudsen. Endorses Helge Holst's finding, and proposes to advise the author or the publisher against publishing the incorrect passages. [44 491]. 1-page TLS from Slowo publishing house. Requests a short introduction to the Russian edition of the 8th (?) edition of <i>Einstein 1917a</i> translated by G. B. Itelson and published by Slowo. [41 1025].</p> <p>November 7 Returns to Berlin. The chancellor of the Order Pour le mérite for Science and the Arts (Peace Class), Adolf von Harnack, informs the Ministry of Education of the election of new members, among them Einstein. GyBSA, I. HA, Rep. 76 Vc, Sek. 1, Tit. 2, Teil 2, Nr. 7, Bd. 7, Bl. 310. [85 448]. 4-page ALS from Hugh Chisholm. Solicits article of about 8,000 words on relativity for the new volumes of the Encyclopaedia Britannica. Offers £4 for 1,000 words and wants the manuscript no later than next May. [43 636]. 2-page ALS from Gerrit Mannoury. Acknowledges receipt of <i>Einstein 1920j</i> and conjectures on the possibility of defin-</p>	
P. 606, lines 1–19		[The first 19 lines of p. 606 duplicate text from the previous page and should be deleted.]
P. 610, lines 19–20	to Lederer, the new president of the Chemisch-Physikalische Gesellschaft.	to Lederer. Forwards Carl Beck's invitation to the United States on behalf of Anglo-American University Library for Central Europe.