

PDF FREE THE COLLECTED PAPERS OF ALBERT EINSTEIN VOLUME 13 ENGLISH THE BERLIN YEARS WRITINGS CORRESPONDENCE JANUARY 1922 MARCH 1923 GERMAN EDITION (2023)

THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 16 (TRANSLATION SUPPLEMENT) THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 15 (TRANSLATION SUPPLEMENT) THE COLLECTED PAPERS OF ALBERT EINSTEIN THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 13 THE COLLECTED PAPERS OF ALBERT EINSTEIN: THE EARLY YEARS, 1879-1902 THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 14 THE COLLECTED PAPERS OF ALBERT EINSTEIN THE COLLECTED PAPERS OF ALBERT EINSTEIN: THE SWISS YEARS : WRITINGS, 1909-1911 THE COLLECTED PAPERS OF ALBERT EINSTEIN: THE BERLIN YEARS, WRITINGS, 1918-1921 THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 2 (ENGLISH) THE COLLECTED PAPERS OF ALBERT EINSTEIN. 1879-1902 THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 1 (ENGLISH) THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 2 (ENGLISH) THE COLLECTED PAPERS OF ALBERT EINSTEIN: THE BERLIN YEARS: CORRESPONDENCE, JANUARY-DECEMBER 1921 - v. 13. THE BERLIN YEARS : WRITINGS AND CORRESPONDENCE, JANUARY 1922 - MARCH 1923 THE COLLECTED PAPERS OF ALBERT EINSTEIN THE COLLECTED PAPERS OF ALBERT EINSTEIN THE COLLECTED PAPERS OF ALBERT EINSTEIN THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 2 (ENGLISH) THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 12 (ENGLISH) THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 17 (TRANSLATION SUPPLEMENT) THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 8 THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 6 THE COLLECTED PAPERS OF ALBERT EINSTEIN THE COLLECTED PAPERS OF ALBERT EINSTEIN THE COLLECTED PAPERS OF ALBERT EINSTEIN THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 12 (ENGLISH) THE COLLECTED PAPERS OF ALBERT EINSTEIN VOLUME 1 THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 11 EINSTEIN'S MIRACULOUS YEAR ALBERT GORE, SR. LIFE OF ALBERT PIKE (C) IN ALBERT'S SHADOW FROM THE GROUND UP, COLLECTED PAPERS OF ALBERT REGINALD POWYS ALBERT'S RAIN ALBERT DURER THE COUNT OF MONTE-CRISTO ALBERT DURER PARLIAMENTARY PAPERS PROLOGUE ALGEBRA IX

THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 16 (TRANSLATION SUPPLEMENT) 2021-06-22 A TRANSLATION OF SELECTED NON ENGLISH TEXTS INCLUDED IN VOLUME 16 IS AVAILABLE IN PAPERBACK SINCE THIS SUPPLEMENTARY PAPERBACK INCLUDES ONLY SELECT PORTIONS OF VOLUME 16 IT IS NOT RECOMMENDED FOR PURCHASE WITHOUT THE MAIN VOLUME EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN AND THIS SUPPLEMENTARY PAPERBACK VOLUME PRESENTS THE ENGLISH TRANSLATIONS OF SELECT PORTIONS OF NON ENGLISH MATERIALS IN VOLUME 16 THIS TRANSLATION DOES NOT INCLUDE NOTES OR ANNOTATIONS OF THE DOCUMENTARY VOLUME AND IS NOT INTENDED FOR USE WITHOUT THE ORIGINAL LANGUAGE DOCUMENTARY EDITION WHICH PROVIDES THE EXTENSIVE EDITORIAL COMMENTARY NECESSARY FOR A FULL HISTORICAL AND SCIENTIFIC UNDERSTANDING OF THE DOCUMENTS

THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 15 (TRANSLATION SUPPLEMENT) 1987 A TRANSLATION OF SELECTED NON ENGLISH TEXTS INCLUDED IN VOLUME 15 IS AVAILABLE IN PAPERBACK SINCE THIS SUPPLEMENTARY PAPERBACK INCLUDES ONLY SELECT PORTIONS OF VOLUME 15 IT IS NOT RECOMMENDED FOR PURCHASE WITHOUT THE MAIN VOLUME EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN AND THIS SUPPLEMENTARY PAPERBACK VOLUME PRESENTS THE ENGLISH TRANSLATIONS OF SELECT PORTIONS OF NON ENGLISH MATERIALS IN VOLUME 15 THIS TRANSLATION DOES NOT INCLUDE NOTES OR ANNOTATION OF THE DOCUMENTARY VOLUME AND IS NOT INTENDED FOR USE WITHOUT THE ORIGINAL LANGUAGE DOCUMENTARY EDITION WHICH PROVIDES THE EXTENSIVE EDITORIAL COMMENTARY NECESSARY FOR A FULL HISTORICAL AND SCIENTIFIC UNDERSTANDING OF THE DOCUMENTS

THE COLLECTED PAPERS OF ALBERT EINSTEIN 1987 A TRANSLATION OF SELECTED NON ENGLISH TEXTS INCLUDED IN VOLUME 13 IS AVAILABLE IN PAPERBACK SINCE THIS SUPPLEMENTARY PAPERBACK INCLUDES ONLY SELECT PORTIONS OF VOLUME 13 IT IS NOT RECOMMENDED FOR PURCHASE WITHOUT THE MAIN VOLUME EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN AND THIS SUPPLEMENTARY PAPERBACK VOLUME PRESENTS THE ENGLISH TRANSLATIONS OF SELECT PORTIONS OF NON ENGLISH MATERIALS IN VOLUME 13 THIS TRANSLATION DOES NOT INCLUDE NOTES OR ANNOTATION OF THE DOCUMENTARY VOLUME AND IS NOT INTENDED FOR USE WITHOUT THE ORIGINAL LANGUAGE DOCUMENTARY EDITION WHICH PROVIDES THE EXTENSIVE EDITORIAL COMMENTARY NECESSARY FOR A FULL HISTORICAL AND SCIENTIFIC UNDERSTANDING OF THE DOCUMENTS

THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 13 1987 THE MORE THAN ONE THOUSAND LETTERS AND SEVERAL DOZEN WRITINGS INCLUDED IN THIS VOLUME COVER THE YEARS IMMEDIATELY BEFORE THE FINAL FORMULATION OF NEW QUANTUM MECHANICS THE DISCOVERY OF THE COMPTON EFFECT IN 1923 VINDICATES EINSTEIN S LIGHT QUANTUM HYPOTHESIS NIELS BOHR STILL CRITICIZES EINSTEIN S CONCEPTION OF LIGHT QUANTA AND ADVANCES AN ALTERNATIVE THEORY BUT WALTHER BOTHE AND HANS GEIGER PERFORM A DIFFICULT EXPERIMENT THAT DECIDES IN FAVOR OF EINSTEIN S THEORY AT THE SAME TIME SATYENDRANATH BOSE SENDS A NEW QUANTUM THEORETICAL DERIVATION OF PLANCK S LAW TO EINSTEIN AND HE DISCOVERS WHAT IS NOW KNOWN AS BOSE EINSTEIN CONDENSATION EINSTEIN ATTEMPTS TO REFORMULATE A UNIFIED THEORY OF THE GRAVITATIONAL AND ELECTROMAGNETIC FIELDS IN EARLY NOVEMBER 1923 EINSTEIN FLEES OVERNIGHT TO THE NETHERLANDS IN THE WAKE OF THREATS ON HIS LIFE AND ANTI SEMITIC RIOTING IN BERLIN HE REJOINS THE INTERNATIONAL COMMITTEE ON INTELLECTUAL COOPERATION IN JUNE 1924 AND SUPPORTS THE IDEA OF A EUROPEAN UNION HE JOINS THE BOARD OF GOVERNORS OF HEBREW UNIVERSITY WHICH OPENS IN APRIL 1925 AND CELEBRATES THE EVENT IN BUENOS AIRES WHILE ON A SEVEN WEEK LECTURE TOUR OF ARGENTINA URUGUAY AND BRAZIL DURING THIS PERIOD HE DELIVERS LECTURES MEETS WITH HEADS OF STATE VISITS MAJOR INSTITUTIONS AND ATTENDS RECEPTIONS HOSTED BY THE LOCAL JEWISH AND GERMAN COMMUNITIES HE HAS A SERIOUS BUT SHORT LIVED FALLING OUT WITH HIS SON HANS ALBERT AND HIS FIRST WIFE MILEVA MARIC EINSTEIN OVER HOW TO INVEST PART OF THE NOBEL PRIZE MONEY AND HE RESCUES HIS SISTER MAJA AND HER HUSBAND FROM DEBT ON THEIR HOUSE EINSTEIN HAS A FOURTEEN MONTH ROMANTIC RELATIONSHIP WITH HIS SECRETARY BETTY NEUMANN WHICH HE ENDS IN OCTOBER 1924

THE COLLECTED PAPERS OF ALBERT EINSTEIN: THE EARLY YEARS, 1879-1902 1987 EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN AND THIS SUPPLEMENTARY PAPERBACK VOLUME PRESENTS THE ENGLISH TRANSLATIONS OF ALL NON ENGLISH MATERIALS THIS TRANSLATION DOES NOT INCLUDE NOTES OR ANNOTATION OF THE DOCUMENTARY VOLUME AND IS NOT INTENDED FOR USE WITHOUT THE ORIGINAL LANGUAGE DOCUMENTARY EDITION WHICH PROVIDES THE EXTENSIVE EDITORIAL COMMENTARY NECESSARY FOR A FULL HISTORICAL AND SCIENTIFIC UNDERSTANDING OF THE DOCUMENTS

THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 14 1987 VOLUME 1 PRESENTS IMPORTANT NEW MATERIAL ON THE YOUNG EINSTEIN OVER HALF THE DOCUMENTS MADE AVAILABLE HERE WERE DISCOVERED BY THE EDITORS INCLUDING A SIGNIFICANT GROUP OF OVER FIFTY LETTERS THAT EINSTEIN EXCHANGED WITH MILEVA MARIC HIS FELLOW STUDENT AND FUTURE WIFE THESE LETTERS TOGETHER WITH OTHER PREVIOUSLY UNPUBLISHED DOCUMENTS PROVIDE AN ENTIRELY NEW VIEW OF EINSTEIN S YOUTH THE DOCUMENTS IN THE VOLUME ALSO FORESHADOW THE EMERGENCE OF HIS EXTRAORDINARY CREATIVE POWER IN THEM IS MANIFESTED HIS INTENSE COMMITMENT TO SCIENTIFIC WORK AND HIS INTEREST IN CERTAIN THEMES THAT PROVED TO BE CENTRAL TO HIS THINKING DURING THE NEXT DECADE WE CAN FOLLOW FOR EXAMPLE THE BEGINNINGS OF HIS PREOCCUPATION WITH THE ELECTRODYNAMICS OF MOVING BODIES THAT WAS TO LEAD TO THE DEVELOPMENT OF THIS SPECIAL THEORY OF RELATIVITY FOR THE FIRST TIME IT CAN BE SEEN HOW CLOSELY HE FOLLOWED SUCH CONTEMPORARY DEVELOPMENTS IN PHYSICS AS PLANCK S WORK ON RADIATION THEORY AND DRUDE S WORK ON THE ELECTRON THEORY OF METALS IN ADDITION TO ALL OF EINSTEIN S KNOWN CORRESPONDENCE AND OTHER WRITINGS FROM THIS PERIOD THE VOLUME INCLUDES THE RELEVANT PORTIONS OF ALL THIRD PARTY LETTERS AND OTHER CONTEMPORARY DOCUMENTS THAT PROVIDE ADDITIONAL INFORMATION ABOUT HIS

SECONDARY SCHOOLING AT THE AARGAU CANTONAL SCHOOL HIS FOUR YEARS AT THE SWISS FEDERAL POLYTECHNICAL SCHOOL OR THE ETH AND HIS SEARCH FOR A JOB AFTER GRADUATION INCLUDED IN THE VOLUME ARE THOSE SECTIONS OF AN UNPUBLISHED BIOGRAPHY BY EINSTEIN'S SISTER MAJA WINTELER EINSTEIN WHICH DEAL WITH HIS EARLY YEARS HIS EXTENSIVE NOTES ON A PHYSICS COURSE HE TOOK AT THE ETH AND PREVIOUSLY UNPUBLISHED PHOTOGRAPHS OF THE YOUNG EINSTEIN AND HIS TEACHERS AND FRIENDS DOCUMENTS IN VOLUME 1 PORTRAY EINSTEIN'S EXPERIENCES DURING THE TWO STRESSFUL YEARS AFTER HIS GRADUATION FROM THE ETH IN ZURICH DENIED A POSITION AS AN ASSISTANT AT THE ETH HE LIVED A HAND TO MOUTH EXISTENCE WHILE HE LOOKED FOR A POST AT OTHER UNIVERSITIES THEN HE ATTEMPTED TO FIND A SECONDARY SCHOOL POST AND FINALLY SOUGHT A NONACADEMIC JOB TENSION WITH HIS PARENTS OVER HIS PLANS TO MARRY MILEVA MARIC IS EVIDENT THROUGHOUT THIS PERIOD WITH THE HELP OF A FRIEND HE FINALLY FOUND WORK AT THE SWISS PATENT OFFICE THE HAVEN WHERE HE WOULD SPEND THE NEXT SEVEN YEARS FREED FROM HIS FINANCIAL WORRIES HE ENTERED ON ONE OF THE MOST PRODUCTIVE PERIODS OF HIS LIFE AS THE NEXT VOLUME WRITINGS 1901-1910 WILL DOCUMENT

THE COLLECTED PAPERS OF ALBERT EINSTEIN 1987 EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN AND THIS SUPPLEMENTARY PAPERBACK VOLUME PRESENTS THE ENGLISH TRANSLATIONS OF ALL NON ENGLISH MATERIALS THIS TRANSLATION DOES NOT INCLUDE NOTES OR ANNOTATION OF THE DOCUMENTARY VOLUME AND IS NOT INTENDED FOR USE WITHOUT THE ORIGINAL LANGUAGE DOCUMENTARY EDITION WHICH PROVIDES THE EXTENSIVE EDITORIAL COMMENTARY NECESSARY FOR A FULL HISTORICAL AND SCIENTIFIC UNDERSTANDING OF THE DOCUMENTS

THE COLLECTED PAPERS OF ALBERT EINSTEIN: THE SWISS YEARS : WRITINGS, 1909-1911 1987 ANTI SEMITIC OUTBURSTS REFLECTED INCREASINGLY ON HIS OWN IDENTITY AS A JEW AND ASSISTED IN EFFORTS TOWARD THE ESTABLISHMENT OF THE HEBREW UNIVERSITY AS AN INTERNATIONALIST OPPONENT OF WAR AND A GERMAN SPEAKING SWISS CITIZEN WHOSE RENOWN WAS SEALED BY THE ENGLISHMAN EDDINGTON'S CONFIRMATION OF RELATIVITY EINSTEIN MITIGATED POSTWAR HOSTILITY TOWARD GERMAN SCHOLARS CORRESPONDENCE WITH FAMILY AND FRIENDS DOCUMENTS HIS DIVORCE REMARRIAGE TO HIS COUSIN AND HIS CLOSENESS TO HIS TWO SONS NOTWITHSTANDING EVIDENCE IN NEWLY UNCOVERED MATERIAL CONCERNING EFFORTS TO LURE EINSTEIN BACK TO SWITZERLAND AND ALSO TO THE NETHERLANDS EINSTEIN ENTERTAINING HIGH HOPES FOR THE YOUNG WEIMAR REPUBLIC REMAINED IN BERLIN THIS VOLUME REVEALS NEW FACETS OF EINSTEIN AS HE CONSTRUCTIVELY PARTICIPATED IN GERMAN AND EUROPEAN SCIENTIFIC ACADEMIC AND CULTURAL LIFE SINCE THIS TRANSLATION INCLUDES ONLY SELECT PORTIONS OF VOLUME 9 IT IS NOT RECOMMENDED FOR PURCHASE WITHOUT THE MAIN VOLUME

THE COLLECTED PAPERS OF ALBERT EINSTEIN: THE BERLIN YEARS, WRITINGS, 1918-1921 1987 EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN AND THIS SUPPLEMENTARY PAPERBACK VOLUME PRESENTS THE ENGLISH TRANSLATIONS OF ALL NON ENGLISH MATERIALS THIS TRANSLATION DOES NOT INCLUDE NOTES OR ANNOTATION OF THE DOCUMENTARY VOLUME AND IS NOT INTENDED FOR USE WITHOUT THE ORIGINAL LANGUAGE DOCUMENTARY EDITION WHICH PROVIDES THE EXTENSIVE EDITORIAL COMMENTARY NECESSARY FOR A FULL HISTORICAL AND SCIENTIFIC UNDERSTANDING OF THE DOCUMENTS

THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 2 (ENGLISH) 1989-12-21 EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN AND THIS SUPPLEMENTARY PAPERBACK VOLUME PRESENTS THE ENGLISH TRANSLATIONS OF ALL NON ENGLISH MATERIALS THIS TRANSLATION DOES NOT INCLUDE NOTES OR ANNOTATION OF THE DOCUMENTARY VOLUME AND IS NOT INTENDED FOR USE WITHOUT THE ORIGINAL LANGUAGE DOCUMENTARY EDITION WHICH PROVIDES THE EXTENSIVE EDITORIAL COMMENTARY NECESSARY FOR A FULL HISTORICAL AND SCIENTIFIC UNDERSTANDING OF THE DOCUMENTS

THE COLLECTED PAPERS OF ALBERT EINSTEIN. 1879-1902 1987 AN ENGLISH LANGUAGE EDITION OF SELECTED CORRESPONDENCE AND PAPERS OF ALBERT EINSTEIN A TRANSLATION OF SELECTED NON ENGLISH TEXTS INCLUDED IN VOLUME 17 IS AVAILABLE IN PAPERBACK SINCE THIS SUPPLEMENTARY PAPERBACK INCLUDES ONLY SELECT PORTIONS OF VOLUME 17 IT IS NOT RECOMMENDED FOR PURCHASE WITHOUT THE MAIN VOLUME EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN AND THIS SUPPLEMENTARY PAPERBACK VOLUME PRESENTS THE ENGLISH TRANSLATIONS OF SELECT PORTIONS OF NON ENGLISH MATERIALS IN VOLUME 17 THIS TRANSLATION DOES NOT INCLUDE NOTES OR ANNOTATIONS OF THE DOCUMENTARY VOLUME AND IS NOT INTENDED FOR USE WITHOUT THE ORIGINAL LANGUAGE DOCUMENTARY EDITION WHICH PROVIDES THE EXTENSIVE EDITORIAL COMMENTARY NECESSARY FOR A FULL HISTORICAL AND SCIENTIFIC UNDERSTANDING OF THE DOCUMENTS

THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 1 (ENGLISH) 1987-06-21 THIS VOLUME OPENS IN SPRING 1914 WHEN EINSTEIN TAKES UP A RESEARCH PROFESSORSHIP AT THE PRUSSIAN ACADEMY OF SCIENCES IN BERLIN AND CLOSES WITH THE COLLAPSE OF THE GERMAN EMPIRE FOUR AND ONE HALF YEARS LATER A GOOD PORTION OF THE DOCUMENTATION WHICH COMPRISES MORE THAN 675 LETTERS HAS ONLY RECENTLY BEEN DISCOVERED BY THE EDITORS THE LETTERS TOUCH ON ALL ASPECTS OF EINSTEIN'S ACTIVITIES AND SHED NEW LIGHT ON HIS INNER LIFE WHILE ENRICHING OUR UNDERSTANDING OF HIS PUBLISHED PAPERS PRESENTED IN VOLUMES 6 AND 7 OF THIS SERIES THE BREAKUP OF EINSTEIN'S FIRST MARRIAGE AND THE DIVORCE ARE PRESENTED HERE FOR THE FIRST TIME IN ALL THEIR COMPLEXITY NEW MATERIAL SHOWS EINSTEIN MAINTAINING A STRONG SENSE OF MORAL URGENCY THROUGHOUT THE WAR THE SCIENTIFIC CORRESPONDENCE DOCUMENTS EINSTEIN'S STRUGGLE TO FIND SATISFACTORY FIELD EQUATIONS FOR HIS NEW GRAVITATIONAL THEORY THE GENERAL THEORY OF RELATIVITY AND HIS CONTINUED DISCUSSION WITH LEADING PHYSICISTS AND MATHEMATICIANS ABOUT THE IMPLICATIONS AND FURTHER DEVELOPMENT OF THE THEORY

THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 2 (ENGLISH) 1989-12-21 PRESENTED IN THIS VOLUME ARE ALBERT EINSTEIN'S WRITINGS FROM HIS ARRIVAL IN BERLIN IN THE SPRING OF 1914 TO TAKE UP HIS NEW POSITION AT THE PRUSSIAN ACADEMY OF SCIENCES THROUGH THE END OF 1917 DURING THESE YEARS HE COMPLETED THE GENERAL THEORY OF RELATIVITY THE RELATIVISTIC THEORY OF GRAVITATION AND THIS WAS SURELY THE HIGH POINT OF HIS SCIENTIFIC LIFE HIS WRITINGS ON RELATIVITY IN THIS VOLUME RANGE FROM GENERAL TREATMENTS OF THE THEORY TO DETAILED CALCULATIONS OF SPECIFIC CONSEQUENCES AND HIS FIRST ATTEMPT AT A RELATIVISTIC ACCOUNT OF COSMOLOGY THEY ALSO INCLUDE HIS POPULAR EXPOSITION OF THE SPECIAL AND GENERAL THEORIES FIRST PUBLISHED IN 1917 AND STILL A VALUABLE ACCOUNT FOR THE GENERAL READER AS SOON AS THE DIFFICULTIES ON THE PATH TO GENERAL RELATIVITY HAD BEEN OVERCOME EINSTEIN RETURNED TO THE RIDDLES OF THE QUANTUM THEORY HIS MAJOR CLARIFICATION OF THE QUANTUM THEORY OF RADIATION APPEARS HERE ALONG WITH HIS LESSER KNOWN CONTRIBUTION TO THE FORMULATION OF QUANTUM CONDITIONS THIS VOLUME ALSO CONTAINS THE PAPERS DESCRIBING EINSTEIN'S ONLY EXPERIMENTAL INVESTIGATION A STUDY OF AMPERE'S MOLECULAR CURRENTS WHICH HE CARRIED OUT WITH THE DUTCH PHYSICIST W J DE HAAS BEFORE THE BEGINNING OF WORLD WAR I EINSTEIN HAD NEVER EXPRESSED HIS VIEWS ON NONSCIENTIFIC SUBJECTS YET ONE OF HIS FIRST REACTIONS TO THIS PREVIOUSLY UNTHINKABLE GENERAL WAR WAS TO SIGN AN APPEAL TO EUROPEANS URGING AN IMMEDIATE END TO HOSTILITIES EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN

THE COLLECTED PAPERS OF ALBERT EINSTEIN: THE BERLIN YEARS: CORRESPONDENCE, JANUARY-DECEMBER 1921 - v. 13. THE BERLIN YEARS : WRITINGS AND CORRESPONDENCE, JANUARY 1922 - MARCH 1923 1987 THIS VOLUME OF THE COLLECTED PAPERS OF ALBERT EINSTEIN PRESENTS EINSTEIN'S WRITINGS FOR THE TWO YEAR PERIOD STARTING IN OCTOBER 1909 THE INITIAL DATE MARKS EINSTEIN'S DEPARTURE FROM THE SWISS PATENT OFFICE AT BERN WHICH HAD BEEN HIS PROFESSIONAL HOME FOR SEVEN YEARS AND THE BEGINNING OF HIS FIRST ACADEMIC APPOINTMENT AT THE UNIVERSITY OF ZURICH THE VOLUME CONCLUDES WITH THE MASTERFUL REPORT THAT EINSTEIN BY THEN A FULL PROFESSOR AT THE GERMAN LANGUAGE UNIVERSITY IN PRAGUE GAVE TO THE ORIGINAL SOLVAY CONGRESS THE FIRST INTERNATIONAL MEETING DEVOTED TO THE PROBLEMS OF RADIATION AND THE QUANTUM THEORY MOST OF EINSTEIN'S EFFORTS DURING THESE YEARS WENT INTO HIS STRUGGLE WITH THESE EVER MORE PERPLEXING PROBLEMS OF QUANTA ON WHICH HE MADE DISCOURAGINGLY LITTLE PROGRESS EINSTEIN'S NEW ACADEMIC CAREER NATURALLY REQUIRED HIM TO TEACH AND ALMOST HALF OF THIS VOLUME CONSISTS OF THE PREVIOUSLY UNPUBLISHED NOTES HE WROTE IN PREPARATION FOR HIS LECTURES ON MECHANICS ON ELECTRICITY AND MAGNETISM AND ON KINETIC THEORY AND STATISTICAL MECHANICS THE LAST OF THESE IS PARTICULARLY INTERESTING IN REFLECTING SOME OF HIS RESEARCH INTERESTS SEVERAL PAPERS HERE ARE CONCERNED WITH ASPECTS OF THE SPECIAL THEORY OF RELATIVITY BUT IT IS EINSTEIN'S ARTICLE OF JUNE 1911 THAT IS A HARBINGER OF THINGS TO COME IT CONTAINS HIS CALCULATION OF THE BENDING OF LIGHT IN A GRAVITATIONAL FIELD ON THE BASIS OF HIS EQUIVALENCE PRINCIPLE MARTIN J KLEIN IS BASS PROFESSOR OF THE HISTORY OF SCIENCE AND PROFESSOR OF PHYSICS AT YALE UNIVERSITY AND SENIOR EDITOR OF THE COLLECTED PAPERS OF ALBERT EINSTEIN A J KOX TEACHES HISTORY OF SCIENCE AT THE UNIVERSITY OF AMSTERDAM JÜRGEN RENN IS ASSISTANT PROFESSOR OF PHILOSOPHY AND PHYSICS AT BOSTON UNIVERSITY AND ROBERT SCHULMANN IS ASSISTANT PROFESSOR OF HISTORY AT BOSTON UNIVERSITY

THE COLLECTED PAPERS OF ALBERT EINSTEIN 1987 EVERY DOCUMENT IN THE COLLECTED PAPERS OF ALBERT EINSTEIN APPEARS IN THE LANGUAGE IN WHICH IT WAS WRITTEN AND THIS SUPPLEMENTARY PAPERBACK VOLUME PRESENTS THE ENGLISH TRANSLATIONS OF ALL NON ENGLISH MATERIALS THIS TRANSLATION DOES NOT INCLUDE NOTES OR ANNOTATION OF THE DOCUMENTARY VOLUME AND IS NOT INTENDED FOR USE WITHOUT THE ORIGINAL LANGUAGE DOCUMENTARY EDITION WHICH PROVIDES THE EXTENSIVE EDITORIAL COMMENTARY NECESSARY FOR A FULL HISTORICAL AND SCIENTIFIC UNDERSTANDING OF THE DOCUMENTS

THE COLLECTED PAPERS OF ALBERT EINSTEIN 1987 THIS INDEX VOLUME PROVIDES QUICK ACCESS TO THE MOST AUTHORITATIVE COMPILATION OF DOCUMENTS AND INFORMATION CONCERNING EINSTEIN'S WORK AND CORRESPONDENCE FOR THE FIRST HALF OF HIS LIFE IT OFFERS READERS A CUMULATIVE INDEX TO THE FIRST TEN VOLUMES OF THE COLLECTED PAPERS THE FIRST COMPLETE BIBLIOGRAPHY OF EINSTEIN'S SCIENTIFIC AND NONSCIENTIFIC WRITINGS UNTIL 1921 AND A SUCCINCT BIOGRAPHICAL TIME LINE THIS VOLUME IS AN INVALUABLE RESEARCH TOOL FOR DELVING INTO EINSTEIN'S WRITTEN LEGACY HIS INTERACTIONS WITH COLLEAGUES INSTITUTIONS FRIENDS AND FAMILY AND HIS SCIENTIFIC POLITICAL EDUCATIONAL AND SOCIAL ACTIVITIES VOLUME 11 PRESENTS THREE IMPORTANT AND UNIQUE BIBLIOGRAPHIES THE LIST OF WRITINGS 1891-1921 THE EINSTEIN BIBLIOGRAPHY 1901-1921 AND A CUMULATIVE BIBLIOGRAPHY AND INDEX OF CITATIONS FOR VOLUMES 1-10 THE LIST OF WRITINGS INCLUDES ALL OF EINSTEIN'S MANUSCRIPTS THAT REMAINED UNPUBLISHED BY 1921 WHILE THE EINSTEIN BIBLIOGRAPHY INCLUDES DOCUMENTS THAT WERE REPUBLISHED DURING THIS PERIOD THE CUMULATIVE BIBLIOGRAPHY AND INDEX OF CITATIONS LISTS ALL LITERATURE WRITTEN BY AUTHORS CITED IN AT LEAST ONE OF THE FIRST TEN VOLUMES OF THE SERIES THIS VOLUME ALSO CONTAINS TWO COMPLETE LISTS OF EINSTEIN'S CORRESPONDENCE UP THROUGH 1920 AND A CHRONOLOGY OF EINSTEIN'S LIFE FOR THE YEARS 1879-1921 THE FIRST LIST PRESENTS THE CORRESPONDENCE IN CHRONOLOGICAL ORDER WHILE THE SECOND LIST PRESENTS THE CORRESPONDENCE IN ALPHABETICAL ORDER BY CORRESPONDENT THE INDEXES AND BIBLIOGRAPHIES IMPLICITLY CORRECT INCONSISTENCIES AND ERRATA ACROSS THE DIFFERENT VOLUMES OTHER CORRECTIONS ARE EXPLICITLY COLLECTED IN A LIST OF ERRATA FOR THE FIRST TEN VOLUMES OF THE SERIES

THE COLLECTED PAPERS OF ALBERT EINSTEIN 1989 FIVE EXTRAORDINARY PAPERS BY ALBERT EINSTEIN THAT TRANSFORMED PHYSICS EDITED AND INTRODUCED BY JOHN STACHEL AND WITH A FOREWORD BY NOBEL LAUREATE ROGER PENROSE AFTER 1905 EINSTEIN'S MIRACULOUS YEAR PHYSICS WOULD NEVER BE THE SAME AGAIN IN THOSE TWELVE MONTHS EINSTEIN SHATTERED

MANY CHERISHED SCIENTIFIC BELIEFS WITH FIVE EXTRAORDINARY PAPERS THAT WOULD ESTABLISH HIM AS THE WORLD'S LEADING PHYSICIST THIS BOOK BRINGS THOSE PAPERS TOGETHER IN AN ACCESSIBLE FORMAT THE BEST KNOWN PAPERS ARE THE TWO THAT FOUNDED SPECIAL RELATIVITY ON THE ELECTRODYNAMICS OF MOVING BODIES AND DOES THE INERTIA OF A BODY DEPEND ON ITS ENERGY CONTENT IN THE FORMER EINSTEIN SHOWED THAT ABSOLUTE TIME HAD TO BE REPLACED BY A NEW ABSOLUTE THE SPEED OF LIGHT IN THE SECOND HE ASSERTED THE EQUIVALENCE OF MASS AND ENERGY WHICH WOULD LEAD TO THE FAMOUS FORMULA $E=mc^2$ THE BOOK ALSO INCLUDES ON A HEURISTIC POINT OF VIEW CONCERNING THE PRODUCTION AND TRANSFORMATION OF LIGHT IN WHICH EINSTEIN CHALLENGED THE WAVE THEORY OF LIGHT SUGGESTING THAT LIGHT COULD ALSO BE REGARDED AS A COLLECTION OF PARTICLES THIS HELPED TO OPEN THE DOOR TO A WHOLE NEW WORLD THAT OF QUANTUM PHYSICS FOR IDEAS IN THIS PAPER HE WON THE NOBEL PRIZE IN 1921 THE FOURTH PAPER ALSO LED TO A NOBEL PRIZE ALTHOUGH FOR ANOTHER SCIENTIST JEAN PERRIN ON THE MOVEMENT OF SMALL PARTICLES SUSPENDED IN STATIONARY LIQUIDS REQUIRED BY THE MOLECULAR KINETIC THEORY OF HEAT CONCERNS THE BROWNIAN MOTION OF SUCH PARTICLES WITH PROFOUND INSIGHT EINSTEIN BLENDED IDEAS FROM KINETIC THEORY AND CLASSICAL HYDRODYNAMICS TO DERIVE AN EQUATION FOR THE MEAN FREE PATH OF SUCH PARTICLES AS A FUNCTION OF THE TIME WHICH PERRIN CONFIRMED EXPERIMENTALLY THE FIFTH PAPER A NEW DETERMINATION OF MOLECULAR DIMENSIONS WAS EINSTEIN'S DOCTORAL DISSERTATION AND REMAINS AMONG HIS MOST CITED ARTICLES IT SHOWS HOW TO CALCULATE AVOGADRO'S NUMBER AND THE SIZE OF MOLECULES THESE PAPERS PRESENTED IN A MODERN ENGLISH TRANSLATION ARE ESSENTIAL READING FOR ANY PHYSICIST MATHEMATICIAN OR ASTROPHYSICIST FAR MORE THAN JUST A COLLECTION OF SCIENTIFIC ARTICLES THIS BOOK PRESENTS WORK THAT IS AMONG THE HIGH POINTS OF HUMAN ACHIEVEMENT AND MARKS A WATERSHED IN THE HISTORY OF SCIENCE COINCIDING WITH THE 100TH ANNIVERSARY OF THE MIRACULOUS YEAR THIS NEW PAPERBACK EDITION INCLUDES AN INTRODUCTION BY JOHN STACHEL WHICH FOCUSES ON THE PERSONAL ASPECTS OF EINSTEIN'S YOUTH THAT FACILITATED AND LED UP TO THE MIRACULOUS YEAR

The Collected Papers of Albert Einstein, Volume 2 (English) 1989-12-21 IN CHRONICLING THE LIFE AND CAREER OF ALBERT GORE SR HISTORIAN ANTHONY J BADGER SEEKS NOT JUST TO EXPLORE THE SUCCESSES AND FAILURES OF AN IMPORTANT POLITICAL FIGURE WHO SPENT MORE THAN THREE DECADES IN THE NATIONAL EYE AND WHOSE SON WOULD BECOME VICE PRESIDENT OF THE UNITED STATES BUT ALSO TO EXPLAIN THE DRAMATIC CHANGES IN THE SOUTH THAT LED TO NATIONAL POLITICAL REALIGNMENT BORN ON A SMALL FARM IN THE HILLS OF TENNESSEE GORE SERVED IN CONGRESS FROM 1938 TO 1970 FIRST IN THE HOUSE OF REPRESENTATIVES AND THEN IN THE SENATE DURING THAT TIME THE UNITED STATES BECAME A GLOBAL SUPERPOWER AND THE SOUTH A TWO PARTY DESEGREGATED REGION GORE WHOM BADGER DESCRIBES AS A POLICY ORIENTED LIBERAL SAW THE FEDERAL GOVERNMENT AS THE ANSWER TO THE SOUTH'S PROBLEMS HE HELD A RESILIENT FAITH ACCORDING TO BADGER IN THE FEDERAL GOVERNMENT TO REGULATE WAGES AND PRICES IN WORLD WAR II TO FURTHER SOCIAL WELFARE THROUGH THE NEW DEAL AND THE GREAT SOCIETY AND TO PROMOTE ECONOMIC GROWTH AND TRANSFORM THE INFRASTRUCTURE OF THE SOUTH GORE WORKED TO MAKE TENNESSEE THE ATOMIC CAPITAL OF THE NATION AND TO PROTECT THE TENNESSEE VALLEY AUTHORITY WHILE AT THE SAME TIME COSPONSORING LEGISLATION TO CREATE THE NATIONAL HIGHWAY SYSTEM HE WAS MORE CAUTIOUS IN HIS APPROACH TO CIVIL RIGHTS THOUGH BOLDER THAN HIS MODERATE SOUTHERN PEERS HE STRUGGLED TO ADJUST TO THE SHIFTING POLITICAL GROUND OF THE 1960S HIS CAREER WAS DEFINED BY HIS RELATIONSHIP WITH LYNDON JOHNSON WHOSE VIETNAM POLICIES GORE BITTERLY OPOSED THE INJECTION OF CHRISTIAN PERSPECTIVES INTO THE STATE'S POLITICS ULTIMATELY DISTANCED GORE'S WORLDVIEW FROM THAT OF HIS CONSTITUENTS ALTOGETHER GORE'S POLITICAL RISE AND FALL BADGER ARGUES ILLUMINATES THE SIGNIFICANCE OF RACE RELIGION AND CLASS IN THE CREATION OF THE MODERN SOUTH

The Collected Papers of Albert Einstein, Volume 12 (English) 2009-07-26 A LIFE OF ALBERT PIKE ORIGINALLY PUBLISHED IN 1997 IS AS MUCH A STUDY OF ANTEBELLUM ARKANSAS AS IT IS A PORTRAIT OF THE FORMER GENERAL A NATIVE OF MASSACHUSETTS PIKE SETTLED IN ARKANSAS TERRITORY IN 1832 AFTER WANDERING THE GREAT PLAINS OF TEXAS AND NEW MEXICO FOR TWO YEARS IN ARKANSAS HE BECAME A SCHOOLTEACHER NEWSPAPERMAN LAWYER WHIG LEADER POET FREEMASON AND CONFEDERATE GENERAL WHO CHAMPIONED SECESSION AND FOUGHT AGAINST BLACK SUFFRAGE DURING HIS TENURE AS SOVEREIGN GRAND COMMANDER OF THE SCOTTISH RITE A POSITION HE HELD FOR MORE THAN THIRTY YEARS BEGINNING IN 1859 PIKE POPULARIZED THE MASONIC MOVEMENT IN THE AMERICAN SOUTH AND FAR WEST IN THE WAKE OF THE CIVIL WAR PIKE LEFT ARKANSAS ULTIMATELY SETTLING IN WASHINGTON D C WHERE HE LIVED OUT HIS LAST YEARS IN THE MASON'S HOUSE OF THE TEMPLE DRAWING ON ORIGINAL DOCUMENTS PIKE'S COPIOUS WRITINGS AND INTERVIEWS WITH PIKE'S DESCENDANTS WALTER LEE BROWN PRESENTS A FASCINATING PERSONAL HISTORY THAT ALSO SERVES AS A RICH COMPENDIUM OF ARKANSAS'S ANTEBELLUM HISTORY

The Collected Papers of Albert Einstein, Volume 17 (Translation Supplement) 2024-09-03 THROUGH PREVIOUSLY UNPUBLISHED LETTERS WRITTEN TO HER BEST FRIEND OVER 30 YEARS THIS COLLECTION OFFERS AN INTIMATE PORTRAIT OF EINSTEIN'S FIRST WIFE AND A TROUBLED MARRIAGE THAT ENDED IN DIVORCE AND DEPRESSION

The Collected Papers of Albert Einstein, Volume 8 1998-11 ALBERT'S DREAM LED HIM TOWARD INDEPENDENCE ESCAPING SLAVERY AND TO PURSUE A LIFE WHERE NO MAN CONTROLLED HIM WAS HIS GOAL FRIVOLITIES OF FRIENDSHIPS COULD VANISH WITH THE WHIP OF A SWITCH BUT FREEDOM COULD BE HELD A LIFETIME RAYNA'S CHOICE WAS TO SET AN EXAMPLE AND BOARD A SHIP SO HER PEOPLE COULD SURVIVE ONLY AFTER ARRIVAL IN AMERICA AT BRISTOL PLANTATION DID SHE REALIZE WHAT CONSEQUENCES HER SACRIFICE HELD HER SURRENDER MEANT LIFE AS A SLAVE AND SEPARATION FROM HER ISLAND FAMILY CAN ALBERT'S HEART TRANSCEND LANGUAGE AND BARRIERS OF REPRESSION AND ALLOW RAYNA CLOSE WILL RAYNA PUT ASIDE HURT CAUSED BY THE PLANTATION OWNER AND PERMIT ALBERT'S LOVE TO HEAL HER HEART CAN THE PAIR ABANDON MISTRUST AND LET THE KINDNESS OF STRANGERS BE

THEIR SALVATION

THE COLLECTED PAPERS OF ALBERT EINSTEIN, VOLUME 6 1996-07 THIS IS A REPRODUCTION OF A BOOK PUBLISHED BEFORE 1923 THIS BOOK MAY HAVE OCCASIONAL IMPERFECTIONS SUCH AS MISSING OR BLURRED PAGES POOR PICTURES ERRANT MARKS ETC THAT WERE EITHER PART OF THE ORIGINAL ARTIFACT OR WERE INTRODUCED BY THE SCANNING PROCESS WE BELIEVE THIS WORK IS CULTURALLY IMPORTANT AND DESPITE THE IMPERFECTIONS HAVE ELECTED TO BRING IT BACK INTO PRINT AS PART OF OUR CONTINUING COMMITMENT TO THE PRESERVATION OF PRINTED WORKS WORLDWIDE WE APPRECIATE YOUR UNDERSTANDING OF THE IMPERFECTIONS IN THE PRESERVATION PROCESS AND HOPE YOU ENJOY THIS VALUABLE BOOK THE BELOW DATA WAS COMPILED FROM VARIOUS IDENTIFICATION FIELDS IN THE BIBLIOGRAPHIC RECORD OF THIS TITLE THIS DATA IS PROVIDED AS AN ADDITIONAL TOOL IN HELPING TO ENSURE EDITION IDENTIFICATION ALBERT DURER HIS LIFE AND WORKS INCLUDING AUTOBIOGRAPHICAL PAPERS AND COMPLETE CATALOGUES WILLIAM BELL SCOTT LONGMANS GREEN 1869 ART INDIVIDUAL ARTIST ART INDIVIDUAL ARTIST ART PRINTS ENGRAVING WOOD ENGRAVING

THE COLLECTED PAPERS OF ALBERT EINSTEIN 1987 THE FIRST CONTRIBUTION BY CARTER COVERS THE THEORY OF FINITE GROUPS OF LIE TYPE AN IMPORTANT FIELD OF CURRENT MATHEMATICAL RESEARCH IN THE SECOND PART PLATONOV AND YANCHEVSKII SURVEY THE STRUCTURE OF FINITE DIMENSIONAL DIVISION ALGEBRAS INCLUDING AN ACCOUNT OF REDUCED K THEORY

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