

The Rise of Robert Millikan: Portrait of a Life in American Science

2020-11-08

i do not consider myself to be robert millikan s biographer this book is not a full record of millikan s life or even of his scientific career it is an essay very selective on themes that are illustrated and illuminated by millikan s life in american science it is as well a portrait of the development of a scientist robert millikan was among the most famous of american scientists to the public of the 1920s millikan represented science the first american born physicist to win the nobel prize millikan was a leader in the application of scientific research to military problems during world war i and a guiding force in the rise of the california institute of technology to a preeminent place in american scientific education and research his life is therefore peculiarly suited to illuminate and provide texture for the vast changes that have taken place in science during the twentieth century in this extended essay i employ the biographical mode to explore several important aspects of this theme millikan was successively a teacher researcher administrator entrepreneur and sage by describing the novel roles that he assumed i suggest how science grew in complexity and carved out an essential place for itself in our general culture robert h kargon from the preface of the rise of robert millikan portrait of a life in american science professor kargon has given us a sympathetic account of millikan s scientific career including his great triumphs his rearguard actions to defend untenable positions and the eventual rejection or revision of every major result or standpoint but he is more concerned with millikan s influence on the developing american physics community and with millikan

s role in advancing american science generally and american higher education together with the chemist a p noyes and the astronomer g e hale millikan believed in an american scientific destiny this picture of american science is presented with great insight tremendous learning and wit professor kargon s book strikes a happy balance between being an interpretive story of a scientific life and a social history of science in america every reader interested in science or in the place of science in society will come away from this book with new information important insights and a better understanding of the growth of scientific ideas and institutions in the twentieth century i bernard cohen nature with the publication of this volume by kargon readers now have new and valuable access to much material about millikan that was previously unavailable kargon states that he is not writing a biography of millikan but rather a portrait of the man and the scientific scene in early 20th century america he has succeeded well in this endeavor the book is well written and readers who are already reasonably conversant with 20th century developments in physics will find much that is illuminating a genuine contribution to the history of science katherine r sopka american scientist here is an admirable piece of work kargon has not sought to make his readers like his subject but only to understand his scientific style his achievements and his character and to perceive how his life was a microcosm of new roles assumed by the scientist during the course of the twentieth century kargon s insights are important and his book is deserving of a careful study robert c post the american historical review a useful corrective to millikan s self portrait that reveals some of the blemishes as well as the embellishments of an important life in american science robert w seidel science for over thirty years the only overview of millikan s life available to the layman was his own selective

autobiography that book either omitted or told only one side sometimes biased by hindsight of many important controversial episodes associated with his achievements and views kargon s portrait essay deals with some of these neglected incidents in a well written and coherent manner aimed at a wide readership john l michel technology and culture a very readable work with the virtue of containing a great deal of information in a brief compass kargon s book deserves and will receive a wide audience as the successor to its subject s autobiography kargon also merits credit for interesting discussions on millikan as a statesman administrator and spokesman for science a clearly first rate narrative nathan reingold isis admirably kargon combines institutional with intellectual history kargon offers a fascinating discussion of millikan s and george hale s contributions to war research the california institute of technology and the mount wilson observatory kargon rightly stresses the collaborators links with the leaders of finance and industry developing los angeles as a brief sketch of millikan the scientific institution builder kargon s book deserves the wide audience he seeks peter galison the journal of american history the book leaves us in no doubt about millikan s ability but does not gloss over his occasional obstinacy or his wishful thinking about past errors matters on which some histories tend to be silent millikan was not a revolutionary who started new ideas but the author stresses rightly the importance of men like him for the progress of science rudolf peierls the new york review of books a gem of a book thought provoking insightful highly interesting reading lawrence badash university of california santa barbara the author skillfully weaves the story of millikan with the story of modern science in a book that will be well received by a variety of audiences from professional historians of science to the general public choice kargon s background in physics serves him well in

placing millikan s work in its theoretical context in the analysis of the work itself and in generally managing to capture both the intense excitement and the routine involved in testing the ideas of the giants of that period in physics kargon has certainly opened enough questions in this perceptive work in addition to the large number that he has settled and he has demonstrated an important use for the biographical mode the general american historian as well as the historian of science can profit from reading this volume george h daniels the historian robert millikan s scientific career his character and his roles as teacher administrator at the california institute of technology entrepreneur and public figure are the topics covered in this biography even in discussing millikan s later decline as a front line scientist author robert kargon treats the scientist with compassion and fairness and portrays him as a many faceted often controversial man with doubts and uncertainties at the height of his fame the high school physics student will find this book engaging and insightful in its description of a scientist struggling with science self and society a cordell perkes the science teacher v ery well researched and written robert kargon gives an excellent picture of the rise of american physics from the years when every aspiring young american physicist wanted to go to germany to study to the years when every aspiring young european physicist wanted to come to the united states for the same purpose he clearly understands science yet knows how to present its history so that it is interesting and meaningful to non scientists he tells not only of millikan s triumphs but of his doubts as well of his discoveries and also of his mistakes all in all this is an excellent book strongly recommended to the reader who is interested in the history of american science and in the life of an outstanding practitioner of it donald e osterbrock the wisconsin magazine of history

are refusing to extend those incentives that young boy emerges in his elder self strident and resolute and fights another uphill battle another 20 years on now in derry the calling from the mountains of his birth surface within him urging him to return to regain lost fragments of his soul his return regenerates and reignites the lost spirit within as voices forgotten in a busy life emerge from the shadowy vibrations of the past to soothe heal and repair his soul the journey sees a re emergence of the people characters events and places that formed his character in a rich tapestry of recall

LIFE 1961-01-20

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Life in the Grey Nunnery at Montreal 2018-05-15

reproduction of the original life in the grey nunnery at montreal by sarah j richardson

Sentencing Youth to Life in Prison 2022-04-07

this book analyzes the impact of the u s supreme court rulings deeming juvenile life without parole lwop sentences to be cruel and unusual punishment these court decisions brought about controversy and

resistance in the criminal justice field while at the same time providing hope for those 2 300 people who never thought they had a chance to experience life as an adult outside prison by looking in depth at the lives of some of the individuals serving life terms and understanding both the prosecutors who oppose review and resentencing of juvenile lifers and those who are sincerely following the supreme court s guidelines this book provides a comprehensive understanding of the issues as well as the people involved in the sentencing and potential resentencing of juveniles to life without the possibility of parole the authors provide unique perceptive and straightforward profiles on some of the prisoners who were ultimately sentenced to lwop after being involved in criminal offenses committed before their 18th birthdays the book poignantly features the experiences of young people who did not commit a murder yet were still sentenced to life terms but also delves into the perspectives of the families of victims of juvenile offenders prosecutors on both sides of the issue psychologists who have interviewed many of the juvenile lifers and advocates for change in the way juveniles are treated by the criminal justice system the decisions in miller v alabama and montgomery v louisiana clearly demonstrated that the court s view of juveniles evolved over decades to reflect advances in our understanding of the unique characteristics of youth and their involvement in juvenile crimes this book takes the position that the sentence of life without the possibility of parole for youth is wasteful of both human lives and scarce public resources the authors write about the human concerns on both sides of the question and ultimately allow readers to make their own decisions about how society should best handle juvenile offenders this engaging ethnographic treatment will appeal to students and scholars of criminology corrections juvenile justice and delinquency practitioners working in social policy and all those

interested in a criminal justice system capable of positive outcomes for involved youth

Dictionary of Daily Life in Biblical & Post-Biblical Antiquity: Bellows & Furnaces 2022-05-17

this unique reference article excerpted from the larger work dictionary of daily life in biblical and post biblical antiquity provides background cultural and technical information on the world of the hebrew bible and new testament from 2000 bc to approximately ad 600 written and edited by a world class historian and a highly respected biblical scholar each article addresses cultural technical and or sociological issues of interest to the study of the scriptures contains a high level of scholarship information and concepts are explained in detail and are accompanied by bibliographic material for further exploration useful for scholars pastors teachers and students for biblical study exegesis or sermon preparation possible areas covered include details of domestic life technology culture laws or religious practices each article ranges from 5 to 20 pages in length for the complete contents of dictionary of daily life in biblical and post biblical antiquity see isbn 9781619708617 4 volume set or isbn 9781619701458 complete in one volume

Everyday Life in the Modern World 2010-07-15

basing his discussion on everyday life in france lefebvre shows the degree to which our lived in world and sense of it are shaped by decisions about which we know little and in which we do not participate

Life in Idleness 2015-05-26

the book is entitled life in idleness so basically the book is on not wasting our time or our lives on things not serious or trying to make the reader think more about what he says and does in life so he can do things that are productive and not unproductive to himself or society i wrote it with an aim to be more productive and only be productive and not idle in our lives or well get nowhere if we do things in idleness while our lives stands still and make no gains in the world time keeps creeping by without us noticing it and we continue to get older and not realize that we have become unproductive in society in the end all we gain in life those that decides to live a life in idleness is time moving by while his or her life stands still being unproductive and useless to society thats the reason for the clock picture on the book the book is telling people to do things that are only productive and meaningful in order for any country or society to gain from your existence not doing things that are meaningful or productive to society is a burden to a society because were all born to help each other and be productive and not be unproductive we have to seek during our lifetime professions or jobs that helps every society to learn and to make every society better either by inventing things to make every persons life better or the like the main chapter in the book though is my new terms in rhetoric

Life in Mexico 2020-09-28

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LIFE 1936-11-23

if you have interviewed been interviewed or enjoyed a career in the field of market or social research these candid stories from the uk and abroad will evoke many memories of the years when this industry grew to its prominent place in our national life and although the world of work has seen many changes it will provide some guidance for those considering such a career showing that this life is varied and rewarding

The Life in Research 2021-04-12

maria had been raped by a way of life a way of life known as coconis which refers to various kinds of vicious horrific and inexcusable forms of barbaric behaviour as a direct consequence of this horrific and violent crime maria gave birth a few months later just like several other young girls who had also become innocent silent and secret victims of similar crimes in this country however unlike some of the other young woman victims maria was blessed with a strong faith in god she was determined not to resort to taking her own life and not to destroy the tiny life which was already gradually starting to grow inside her womb maria had simply decided to transform this violent and hateful act which had stripped her of all human dignity into something much more powerful and good she wanted to be able to truly forgive not just the kind of forgiveness given by those who have no choice but the kind of forgiveness proffered by the weak and feeble to those who are stronger because they have no other choice in the matter neither was it the biblical kind when one simply forgives ones fellow men for their sins and

wrongdoings it wasnt like the forgiveness given by god either but more of marias own personal and unique quest for forgiveness that she so yearned to be able to give to the young men who had raped her maria was determined that her rapists should recognize the brutality and wickedness of their acts and then implore her forgiveness so that she herself could in turn sincerely forgive them it was the only way for her to redeem her personal dignity she felt that she had suffered enough and that she had every right to expect her rapists recognition of the terrible suffering that they had inflicted on her so it was on a beautiful sunny saturday morning of june that maria finally gave birth to twin boys she called them kimia and elikia which means peace and faith in the congolese language maria brought up and educated her twin boys in a traditional way she possessed a sufficient sum of money to pay for their education and see them through to the end of their high school education she knew that she had done her very best with regard to their civil education she died not long after receiving her twin sons baccalaurat results she died in peace but without having had the opportunity to be able to truly forgive her brutal attackers she died without anyone coming to ask her for forgiveness and without having been able to offer her sincere forgiveness but her last thoughts really went out to her wonderful children she remembered the great ocean of motherly love that she had been able to give them during their upbringing before she closed her eyes for the last time she asked god to bless them on her deathbed she didnt have the slightest inkling of the powerful impact of the incredible testimonial that she had succeeded in bequeathing to her children as maria africa had also been kidnapped raped and its not a belgian story and tortured for centuries from those repeated rapes were born sick and weak republics none of the many rapists did recognize the shameful paternity despite the fact that their saliva and blood

were still visible everywhere and there was no need for complex dna analysis to find out whom they belong to

First Hymn to Life in Congo 2013-11-14

originally published in 1960 paints a picture of what life was like in renaissance florence it examines private and public life of florentine citizens governance and defence the life of women domestic arrangements ritual and ceremony siege and plague

Daily Life in Florence 2019-07-02

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roll up your sleeves advice on throwing pottery growing dahlias cooking her tried and true recipes and everything in between martha stewart living suited to any type of creative offering up lessons on inspiration and creativity that are sure to bring out your inner talent house beautiful best new design books what makes a creative life for an artist like frances palmer it s knitting all of one s passions all of one s creativity into the whole of life and what an inspiration it is a

renowned potter an entrepreneur a gardener a photographer a cook a beekeeper palmer has over the course of three decades caught the attention not only of the countless people who collect and use her ceramics but also of designers and design lovers writers and fellow artists who marvel at her example now in her first book she finally tells her story in her own words and images distilling from her experiences lessons that will inspire a new generation of makers and entrepreneurs life in the studio is as beautiful and unexpected as palmer s pottery as breathtakingly colorful as her celebrated dahlias as intimate as the dinners she hosts in her studio for friends and family there are insights into making pots the importance of centering the discovery that clay has a memory strategies for how to turn a passion into a business the value to be found in collaboration what it means to persevere how to develop and stick to a routine that will sustain both enthusiasm and productivity there are also step by step instructions for throwing her beloved sabine pot growing dahlias building an opulent flower arrangement even some of her most tried and true recipes the result is a portrait of a unique artist and a singularly generous manual on how to live a creative life

Life in the Studio 2020-10-06

the story of a turbulent decade for our iconic capital

Life in 1940s London 2013-09-15

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LIFE 1972-12-29

how great is spain how mighty from the rugged mountains of the asturias their base washed by stormy waves and the giddy heights of the pyrenean precipices an eternal barrier between rival peoples to the balmy plains of the south where summer ever reigns a world within itself with a world s variety quien dice españa dice todo and its history is as varied as the land first according to the legend hercules set his pillars or keys the ne plus ultra of land and sea on the rock of calpe gibraltar in europe and on abyla ceuta in africa and that no one should doubt it he placed his temple on the water logged flats half sea half land behind cadiz long remembered by the moors as the district of idols near the city of gades where geryon dwelt from whom hercules lifted that troop of fat oxen which he was destined so long to drive wearily about the earth in memory of all which charles the fifth the great emperor carried hercules pillars on his shield with the proud motto ne plus ultra and the city of cadiz gades still bears them as its arms then tradition past came invaders from the earliest times celts phœnicians and greeks driving the iberians from their rightful lands the carthaginians too crossed from africa along the southern coast and settled at cartagena which still bears their name the romans next appeared victorious under pompey and cæsar spreading over spain but especially powerful at seville cordoba toledo segovia and tarragona where they have left their mark in mighty monuments a race of uncivilised warriors followed from the north so powerful that two roman emperors perished in battle with them of the precise seat of the gothic nation it is hard to speak with certainty it is however

known that they came from the extreme north spreading to the borders of the black sea into asia minor in the east and to the south of spain in the west they are mentioned by pliny about sixty years before christ and later by tacitus who twice refers to them as gothones there were so many tribes visigoths astrogoths gepidæ and even vandals that their story is as a tangled web mixed with that of all nations but it is clear that those who concern our present purpose came down into spain from narbonne and toulouse it is strange how soon these savage northmen discarded their wooden idols woden thor and balder the gods of thunder and of the sun so that when constantine the great christianised the world the gothic chief wulfila was ready to become a convert who this wulfila was and how he came to be at constantinople is not clear as bishop of the goths he returned to missionarise his countrymen the dacian tribes in the mighty plains of philippopolis a d 310 314 and made a translation of the bible into gothic even in our own day something of this precious manuscript remains beautifully written in letters of gold on purple vellum at the swedish university of upsala

Old Court Life in Spain (Complete) **2015-09-11**

in his popular book the germans 1982 stanford historian gordon craig remarked when german intellectuals at the end of the eighteenth century talked of living in a frederican age they were sometimes referring not to the monarch in sans souci but to his namesake the berlin bookseller friedrich nicolai such was the importance attributed to nicolai s role in the intellectual life of his age by his own contemporaries while long neglected by students of the period who tended to accept the caricature of him as a philistine who failed

to recognize goethe s genius nicolai has experienced a resurgence of interest among scholars reexploring the german enlightenment and the literary marketplace of the eighteenth century this book drawing upon nicolai s large unpublished correspondence rounds out the picture we have of nicolai already as author and critic by focusing on his roles as bookseller and publisher and as an aufkärer in the book trade

Everyday Life in the German Book Trade 2000-11-08

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LIFE 1951-03-19

whether you re planning a trip to morocco or just want a unique insight into its culture this book is a must read written by a european resident in the late 19th century life in morocco and glimpses beyond captures the lives of moroccans and foreign residents through a collection of anecdotes articles and stories from customs and traditions to tales of journeys and desert sheikhs the book is a fascinating snapshot of the time

Life in Morocco and Glimpses Beyond 2019-12-04

this book is a riveting biography of the first president of the united states from his early life as a

surveyor and military leader to his role in the nation's founding as commander in chief of the continental army and president of the constitutional convention this comprehensive account offers readers a thorough understanding of Washington's legacy from his enduring precedents as president to his lasting impact on American history and culture

George Washington; or, Life in America One Hundred Years Ago
2019-12-03

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LIFE 1957-01-07

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LIFE 1960-09-12

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LIFE 1945-12-03

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LIFE 1970-11-20

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LIFE 1943-02-01

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LIFE 1942-04-13

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LIFE 1955-05-02

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LIFE 1948-01-19

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LIFE 1972-12-08

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LIFE 1961-07-14

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LIFE 1951-06-04

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LIFE 1962-07-20

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