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The Ghosts of Gombe Soft Computing Through a Window Iterative Methods for Solving Nonlinear Equations and Systems The Psychology of Science and the Origins of the Scientific Mind Sustainable Uses and Prospects of Medicinal Plants Plants and Phytomolecules for Immunomodulation The Chimpanzees of Gombe Inside Science 45 Superstars of Science Primate Visions Bulletin of the Chicago Academy of Sciences The Infanticide Controversy Gombe Technical Education Journal Science and Conservation in African Forests Advances in Intelligent Informatics Beach Troop of the Gombe Chimpanzee Magill's Encyclopedia of Science : Animal Life: Aardvarks- endoskeletons Global Changes and Natural Disaster Management: Geo-information Technologies Ecology in Action Extreme Science: Chasing the Ghost Bat A Visual History of Science and Technology Reimagining Nigeria's Educational System Trends and Advancements of Image Processing and Its Applications Energy and Environmental Security in Developing Countries Life and Death in the Gombe Chimpanzees Primate Encounters In the Shadow of Man Information and Communication Technology and Applications Nigeria: State by State Congressional Record Apes and Human Evolution In the Shadow of Man Chimpanzees, War, and History The United States and Africa ... Walking with the Great Apes Research and Publications in a Nigerian College of Education

The Ghosts of Gombe 2018-04-06 this book written by the author of the definitive biography of primatologist jane goodall presents in sweeping detail the story of a group of young volunteers and students doing animal behavior research on chimpanzees baboons and red colobus monkeys at dr goodall s research site in tanzania s gombe stream national park during the late 1960s goodall who began her work in the summer of 1960 was originally sponsored by the great paleontologist louis leakey and funded by the national geographic society her early studies of chimpanzees soon made her world famous as one of the great pioneers in primatology and she began working to transform her original tented camp into a major field station for animal studies then came a tragic event that marked the final summer of that promising first decade and is the focus of this book at aroundnoon on saturday july 12 1969 ruth davis a young american working at gombe as a volunteer walked out of camp to follow a chimpanzee into the forest and never returned her body was found six days later floating in a pool at the base of a high waterfall the ghosts of gombe explores the social tensions that developed among the small community of researchers during 1968 and 1969 considers thoroughly how the death might have happened and describes the painful personal consequences for some of the surviving researchers provided by publisher

Soft Computing 2023-02-28 this book explores soft computing techniques in a systematic manner starting from their initial stage to recent developments in this area the book presents a survey of the existing knowledge and the current state of the art development through cutting edge original new contributions from the researchers soft computing recent advances and applications in engineering and mathematical sciences presents a survey of the existing knowledge and the current state of the art development through cutting edge original new contributions from the researchers as suggested by the title this book particularly focuses on the recent advances and applications of soft computing techniques in engineering and mathematical sciences chapter 1 describes the contribution of soft computing techniques towards a new paradigm shift the subsequent chapters present a systematic application of fuzzy logic in mathematical sciences and decision making new research directions are also provided at the end of each chapter the application of soft computing in health sciences and in the modeling of epidemics including the effects of vaccination are also examined sustainability of green product development optimum design of 3d steel frame digitalization investment analysis in the maritime industry forecasting return rates of individual pension funds are among some of the topics where engineering and industrial applications of soft computing have been studied in the book the readers of this book will require minimum prerequisites of undergraduate studies in computation and mathematics this book is meant for graduate students faculty and researchers who are applying soft computing in engineering and mathematics new research directions are also provided at the end of each chapter

Through a Window 1990 jane goodall recounts the thirty years she spent in the company of chimpanzees and describes the dynamics of a chimpanzee family

Iterative Methods for Solving Nonlinear Equations and Systems 2019-12-06 solving nonlinear equations in banach spaces real or complex nonlinear equations nonlinear systems and nonlinear matrix equations among others is a non trivial task that involves many areas of science and technology usually the solution is not directly affordable and require an approach using iterative algorithms this special issue focuses mainly on the design analysis of convergence and stability of new schemes for solving nonlinear problems and their application to practical problems included papers study the following topics methods for finding simple or multiple roots either with or without derivatives iterative methods for approximating different generalized inverses real or complex dynamics associated to the rational functions resulting from the application of an iterative method on a polynomial additionally the analysis of the convergence has been carried out by means of different sufficient conditions assuring the local semilocal or global convergence this special issue has allowed us to present the latest research results in the area of iterative processes for solving nonlinear equations as well as systems and matrix equations in addition to the theoretical papers several manuscripts on signal processing nonlinear integral equations or partial differential equations reveal the connection between iterative methods and other branches of science and engineering

The Psychology of Science and the Origins of the Scientific Mind 2008-10-01 in this book gregory feist reviews and consolidates the scattered literatures on the psychology of science then calls for the establishment of the field as a unique discipline he offers the most comprehensive perspective yet on how science came to be possible in our species and on the important role of psychological forces in an individual s development of scientific interest talent and creativity without a psychological perspective feist argues we cannot fully understand the development of scientific thinking or scientific genius the author explores the major subdisciplines within psychology as well as allied areas including biological neuroscience and developmental cognitive personality and social psychology to show how each sheds light on how scientific thinking interest and talent arise he assesses which elements of scientific thinking have their origin in evolved mental mechanisms and considers how humans may have developed the highly sophisticated scientific fields we know today in his fascinating and authoritative book feist deals thoughtfully with the mysteries of the human mind and convincingly argues that the creation of the psychology of science as a distinct discipline is essential to deeper understanding of human thought processes

Sustainable Uses and Prospects of Medicinal Plants 2023-05-05 sustainable uses and prospects of medicinal plants presents information on less known and underexplored medicinal plant species in various regions of the world the book investigates current advances in medicinal plant science and includes detailed information on the use of green nanotechnology characterization of plants conservation revitalization propagation and pharmacological activities of selected plants a volume in the exploring medicinal plants series it collects information on less known medicinal plant species in various regions of the world for documentation profiling their ethnobotany developments in their phytochemistry and pharmacological activities and provides an in depth look at some specific herbal medicines of importance threatened and less known species and addresses sustainable utilization and conservation of medicinal plants to ensure existence and use appropriate for plant and biodiversity conservation organisations community leaders academicians researchers and pharmaceutical industry personnel the book comprises innovative works with information of what is expected to address sustainability in the future

Plants and Phytomolecules for Immunomodulation 2022-08-30 this book describes the process of immunomodulation and the plants which possess immunomodulation properties to boost the immune system the immunomodulation process is highly relevant to address emerging as well as existing diseases in humans a better immune system triggers the cellular responses for neutralizing and combating the onset of disease conditions chapters in the book discuss plants that have profound effects on the health and well being of humans they discuss the natural phytochemicals that have immense diversity and uniqueness of molecules molecules belonging to phenylpropanoids terpenoids steroids alkaloids and tannins etc possess a variety of pharmacological activities the chapters describe how bioactive exert effects even when taken as part of the diet supplement and or as traditional herbal medicine this book provides up to date scientific knowledge about the activities and mechanisms and leads in the area of medicinal plants and phytochemicals with immunomodulation properties this book is meant for students academics researchers and industry professionals interested in pharmacology immunology and plant secondary metabolites

The Chimpanzees of Gombe 1986 presents a scientific chronicle of jane goodall s career and documents the gombe chimpanzees social behavior over the last 26 years

Inside Science 2019-02-27 context and situation always matter in both human and animal lives unique insights can be gleaned from conducting scientific studies from within human communities and animal habitats inside science is a novel treatment of this distinctive mode of fieldwork robert e kohler illuminates these resident practices through close analyses of classic studies of trobriand islanders chicago hobos corner boys in boston s north end jane goodall s chimpanzees of the gombe stream reserve and more intensive firsthand observation a preference for generalizing from observed particulars rather than from universal principles and an ultimate framing of their results in narrative form characterize these inside stories from the field resident observing takes place across a range of sciences from anthropology and sociology to primatology wildlife ecology and beyond what makes it special kohler argues is the direct access it affords scientists to the contexts in which their subjects live and act these scientists understand their subjects not by keeping their distance but by living among them and engaging with them in ways large and small this approach also demonstrates how science and everyday life often assumed to be different and separate ways of knowing are in fact overlapping aspects of the human experience this story driven exploration is perfect for historians sociologists and philosophers who want to know how scientists go about making robust knowledge of nature and society

45 Superstars of Science 2023-04-10 this wonderful book contains easy to read biographies of some of the most influential people that have shaped modern science each biography assumes no prior knowledge on the part of the reader and highlights the key contributions of each of the scientists from ancient scholars such as pythagoras and aristotle to modern scientists like stephen hawking this book is an excellent way for anyone interested in science to learn about many of the great scientists thinkers that helped shape the way that we think about our world for the trivia buff each biography also ends with a mini quiz with answers in the back of the book

Primate Visions 2013-01-11 haraway s discussions of how scientists have perceived the sexual nature of female primates opens a new chapter in feminist theory raising unsettling questions about models of the family and of heterosexuality in primate research

Bulletin of the Chicago Academy of Sciences 1992 infanticide in the natural world might be a relatively rare event but as amanda rees shows it has enormously significant consequences identified in the 1960s as a phenomenon worthy of investigation infanticide had by the 1970s become the focus of serious controversy the suggestion by sarah hrday that it might be the outcome of an evolved strategy intended to maximize an individual s reproductive success sparked furious disputes between scientists disagreements that have continued down to the present day meticulously tracing the history of the infanticide debates and drawing on extensive interviews with field scientists rees investigates key theoretical and methodological themes that have characterized field studies of apes and monkeys in the twentieth century as a detailed study of the scientific method and its application to field research the infanticide controversy sheds new light on our understanding of scientific practice focusing in particular on the challenges of working in natural environments the relationship between objectivity and interpretation in an observational science and the impact of the public profile of primatology on the development of primatological research most importantly it also considers the wider significance that the study of field science has in a period when the ecological results of uncontrolled human interventions in natural systems are becoming ever more evident

The Infanticide Controversy 2009-11-15 forests need apes as much as the apes need the forests they are the gardeners of the forest keystone species in the ecology of african and southeast asian forests dispersing seeds creating light gaps and pruning branch tips whilst feeding their habitat comprises two of the planet s three major tropical forest blocks that are essential for global climate regulation but the economic pressures that are destroying ape habitats are much greater than current available conservation finance this unique case study from the kibale national park illustrates how biological research has had diverse consequences for conservation it examines effects on habitat management community relations ecotourism and training lessons learned from this project over the last 20 years will inspire researchers and conservationists to work together to promote biodiversity through field projects

Gombe Technical Education Journal 1997 this book contains a selection of refereed and revised papers of intelligent informatics track originally presented at the third international symposium on intelligent informatics isi 2014 september 24 27 2014 delhi india the papers selected for this track cover several intelligent informatics and related topics including signal processing pattern recognition image processing data mining and their applications

Science and Conservation in African Forests 2008-08-14 this book presents the behavior and activities of olive baboons that the author observed for eighteen months at the gombe national park in tanzania certain aspects of the relationships among the baboons are discussed at length these include the role of status the function of social subgroups and the enduring bonds they share illustrated

Advances in Intelligent Informatics 2014-09-08 the complete guide to our closest living relative drawing on thirty years of primate observation

Beach Troop of the Gombe 1981-01-01 covers various aspects of zoology in four volumes including the behavior class evolution and physiology of both wild and domestic animals

Chimpanzee 2020-08-20 this book presents ongoing research and ideas related to earth observations and global change natural hazards and disaster management studies with respect to geospatial information technology remote sensing and global navigation satellite systems readers will discover uses of advanced geospatial tools spatiotemporal models and earth observation systems chapters identify the international aspects of the coupled social land and climate systems in global change studies and consider such global challenges as agriculture monitoring the smart city and risk assessment the work presented here has been carefully selected edited and peer reviewed in order to advance research and development as well as to encourage innovative applications of geomatics technologies in global change studies the book will appeal not only to academicians but also to professionals politicians and decision makers who wish to learn from the very latest and most innovative quality research in this area of global change and natural disaster management divcontributions are drawn from revised submissions based on state of the art papers from the 7th git4ndm 5th eogc 2015 event

Magill's Encyclopedia of Science : Animal Life: Aardvarks-endoskeletons 2002 integrates process and content of core areas of ecology using an engaging narrative fascinating case studies and stunning images throughout

Global Changes and Natural Disaster Management: Geo-information Technologies 2017-03-15 from the pages of scientific american comes the latest information and explorations into the bizarre realm of the natural world including our oldest relatives and the discovery of missing links strange predators from flesh eating chimps to the lethal komodo dragon strange plant life such as the carnivorous venus s flytrap and the voodoo lily extinct monsters and giant flightless flesh eating birds mysterious denizens of the deep such as the giant squid and the slime hag insect oddities fire ants singing caterpillars and africanized bees

Ecology in Action 2016-03-10 this informative book explores some of the greatest figures and movements in science and technology beginning with the ancient greek philosophers including pythagoras democritus aristotle and euclid to name a few it then goes on to study later scientific figures such as nicolaus copernicus galileo galilei johannes kepler isaac newton charles darwin gregor mendel and albert einstein from there readers learn about the development of technoscience the fusion of technology with science which has established solid ground for computers the internet and critical projects such as the decoding of the human genome and biomedicine with

captivating images this book is perfect for any young scientist

Extreme Science: Chasing the Ghost Bat 2015-11-17 this book assesses the challenges within the nigerian educational system and provides a concrete plan to revitalize the low performing system by strengthening high stakes testing at all levels in nigeria many citizens believe that the solution to the country s low performance in education is to eliminate high stakes standardized testing high stakes testing refers to applying standardized student achievement tests as a primary mechanism to evaluate students teachers and their school s performance this book argues that the poor quality of education and low ranking of nigeria s educational system is not related to the negative consequences of high stakes testing but rather is due to many intrinsic factors by conducting a comparative analysis of six high performing education systems worldwide the book offers a comparative summative evaluation of the educational system and offers recommendations this book will be of interest to policymakers and scholars in the fields of african education higher education quality and global studies african studies management and administration leadership and professional development studies joseph abiodun balogun is former dean and retired distinguished university professor at the college of health sciences chicago state university usa visiting professor program consultant at the centre of excellence in reproductive health innovation university of benin nigeria and president ceo joseph rehabilitation center tinley park illinois usa

A Visual History of Science and Technology 2016-12-15 this book covers current technological innovations and applications in image processing introducing analysis techniques and describing applications in remote sensing and manufacturing among others the authors include new concepts of color space transformation like color interpolation among others also the concept of shearlet transform and wavelet transform and their implementation are discussed the authors include a perspective about concepts and techniques of remote sensing like image mining geographical and agricultural resources the book also includes several applications of human organ biomedical image analysis in addition the principle of moving object detection and tracking including recent trends in moving vehicles and ship detection is described presents developments of current research in various areas of image processing includes applications of image processing in remote sensing astronomy and manufacturing pertains to researchers academics students and practitioners in image processing

Reimagining Nigeria's Educational System 2023-09-20 this book presents a comprehensive account of the energy and environmental security perspectives of the developing countries to address the subject comprehensively it covers four geographically diverse clusters of developing countries from across the world the regions particularly focused on are south asia south east asia sub sahara africa and latin america it is a valuable contribution to the debate and policy and research activities around the subjects of energy and environmental security in the developing countries and beyond the book covers the interwoven subjects of energy security and environmental security in the context of developing countries for the first time it discusses the latest dimensions challenges and solutions around taking into account technical economic social and policy perspectives it incorporates up to date data case studies and comparative assessment this edited book has contributions from established as well as emerging scholars from around the world it benefits a wide range of stakeholders from the fields of energy environment and sustainable development it is of help to academics researchers and analysts in these fields besides having appeal for policymakers and national and international developmental organizations it also helps developing countries to learn from each other s experiences

Trends and Advancements of Image Processing and Its Applications 2021-11-13 this book addresses how skeletons can inform us about behavior by describing skeletal lesions in the gombe chimpanzees relating them to known life histories whenever possible and analyzing demographic patterns in the sample this is of particular interest to both primatologists and skeletal analysts who have benefited from published data on a smaller earlier skeletal sample from gombe the gombe skeletal collection is the largest collection of wild chimpanzees with known life histories in existence and this work significantly expands the skeletal sample from this long term research site 49 chimpanzees the book explores topics of general interest to skeletal analysts such as demographic patterns which injuries leave signs on the skeleton and rates of healing and discusses both qualitative and quantitative analysis of the patterning of lesions the book presents the data in a narrative style similar to that employed in dr goodall s seminal work the chimpanzees of gombe readers already familiar with the gombe chimpanzees are likely to appreciate summaries of life events correlated to observable skeletal features the book is especially relevant at this time to remind primate conservationists of the importance of the isolated chimpanzee population at gombe national park as well as the availability of the skeletons for study both within the park itself as well as at the university of minnesota

Energy and Environmental Security in Developing Countries 2021-03-02 a study of primatology discussing its history the scientists in the field and the issues that have shaped its development particularly gender technology and the media

Life and Death in the Gombe Chimpanzees 2019-06-29 the classic study of primates

Primate Encounters 2000 this book constitutes revised selected papers from the third international conference on information and communication technology and applications icta 2020 held in minna nigeria in november 2020 due to the covid 19 pandemic the conference was held online the 67 full papers were carefully reviewed and selected from 234 submissions the papers are organized in the topical sections on artificial intelligence big data and machine learning information security privacy and trust information science and technology

In the Shadow of Man 2000 in this masterwork russell h tuttle synthesizes a vast research literature in primate evolution and behavior to explain how apes and humans evolved in relation to one another and why humans became a bipedal tool making culture inventing species distinct from other hominoids along the way he refutes the influential theory that men are essentially killer apes sophisticated but instinctively aggressive and destructive beings situating humans in a broad context tuttle musters convincing evidence from morphology and recent fossil discoveries to reveal what early primates ate where they slept how they learned to walk upright how brain and hand anatomy evolved simultaneously and what else happened evolutionarily to cause humans to diverge from their closest relatives despite our genomic similarities with bonobos chimpanzees and gorillas humans are unique among primates in occupying a symbolic niche of values and beliefs based on symbolically mediated cognitive processes although apes exhibit behaviors that strongly suggest they can think salient elements of human culture speech mating proscriptions kinship structures and moral codes are symbolic systems that are not manifest in ape niches this encyclopedic volume is both a milestone in primatological research and a critique of what is known and yet to be discovered about human and ape potential

Information and Communication Technology and Applications 2021-02-13 describes chimpanzee behavior based on observations of them in their natural habitat

Nigeria: State by State 2010 the question of whether men are predisposed to war runs hot in contemporary scholarship and online discussion within this debate chimpanzee behavior is often cited to explain humans propensity for violence the claim is that male chimpanzees kill outsiders because they are evolutionarily inclined suggesting to some that people are too the longstanding critique that killing is instead due to human

disturbance has been pronounced dead and buried in chimpanzees war and history r brian ferguson challenges this consensus by historically contextualizing every reported chimpanzee killing ferguson offers and empirically substantiates two hypotheses primarily he provides detailed demonstration of the connection between human impact and intergroup killing of adult chimpanzees secondarily he argues that killings within social groups reflect status conflicts display violence against defenseless individuals and payback killings of fallen status bullies ferguson also explains broad chimpanzee bonobo differences in violence through constructed and transmitted social organizations consistent with new perspectives in evolutionary theory he deconstructs efforts to illuminate human warfare via chimpanzee analogy and provides an alternative anthropological theory grounded in pan human contrasts that is applicable to different types of warfare bringing readers on a journey through theoretical struggle and clashing ideas about chimpanzees bonobos and evolution ferguson opens new ground on the age old question are men born to kill

Congressional Record 2014-02-17 tracing the reciprocal relationship between africa and north america from the seventeenth century slave trade onwards two leading authorities in the field provide a major revision to traditional colonial african history as well as to us history departing from prior accounts that tended to emphasise only the role of the colonial metropolises in developing africa the authors show how american pioneers missionaries traders prospectors miners engineers scientists and others have helped to shape africa they also point to the equally important impact made by africa on the united states through trade and immigration and through the influence of africans on the arts and agriculture among other facets of american life in a study of exceptionally broad scope the authors devote particular attention to the development of united states policy regarding africa the impact of private enterprise the operation of governmental lobbies the administration of foreign aid and the involvement of africa in the cold war

Apes and Human Evolution 2010 2017 is the 50th anniversary of the dian fossey gorilla fund and karisoke research center in rwanda three astounding women scientists have in recent years penetrated the jungles of africa and borneo to observe nurture and defend humanity s closest cousins jane goodall has worked with the chimpanzees of gombe for nearly 50 years diane fossey died in 1985 defending the mountain gorillas of rwanda and biruté galdikas lives in intimate proximity to the orangutans of borneo all three began their work as protégées of the great anglo african archeologist louis leakey and each spent years in the field allowing the apes to become their familiars and ultimately waging battles to save them from extinction in the wild their combined accomplishments have been mind blowing as goodall fossey and galdikas forever changed how we think of our closest evolutionary relatives of ourselves and of how to conduct good science from the personal to the primate sy montgomery acclaimed author of the soul of an octopus and the good good pig explores the science wisdom and living experience of three of the greatest scientists of the twentieth century

In the Shadow of Man 1990

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Chimpanzees, War, and History 1987-04-24

The United States and Africa 1992

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Walking with the Great Apes 2004

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