

# Evolution The Human Story 2nd Edition

THANK YOU ENORMOUSLY MUCH FOR DOWNLOADING **EVOLUTION THE HUMAN STORY 2ND EDITION**. MOST LIKELY YOU HAVE KNOWLEDGE THAT, PEOPLE HAVE SEEN NUMEROUS TIMES FOR THEIR FAVORITE BOOKS BEARING IN MIND THIS **EVOLUTION THE HUMAN STORY 2ND EDITION**, BUT STOP TAKING PLACE IN HARMFUL DOWNLOADS.

RATHER THAN ENJOYING A FINE EBOOK LATER THAN A MUG OF COFFEE IN THE AFTERNOON, THEN AGAIN THEY JUGGLED LATER THAN SOME HARMFUL VIRUS INSIDE THEIR COMPUTER. **EVOLUTION THE HUMAN STORY 2ND EDITION** IS NEARBY IN OUR DIGITAL LIBRARY AN ONLINE RIGHT OF ENTRY TO IT IS SET AS PUBLIC AS A RESULT YOU CAN DOWNLOAD IT INSTANTLY. OUR DIGITAL LIBRARY SAVES IN COMBINED COUNTRIES, ALLOWING YOU TO GET THE MOST LESS LATENCY ERA TO DOWNLOAD ANY OF OUR BOOKS SIMILAR TO THIS ONE. MERELY SAID, THE **EVOLUTION THE HUMAN STORY 2ND EDITION** IS UNIVERSALLY COMPATIBLE TAKING INTO CONSIDERATION ANY DEVICES TO READ.

PROCESSES IN HUMAN EVOLUTION - FRANCISCO J. AYALA 2017-03-01

THE DISCOVERIES OF THE LAST DECADE HAVE BROUGHT ABOUT A COMPLETELY REVISED UNDERSTANDING OF HUMAN EVOLUTION DUE TO THE RECENT ADVANCES IN GENETICS, PALAEOANTHOLOGY, ECOLOGY, ARCHAEOLOGY, GEOGRAPHY, AND CLIMATE SCIENCE. WRITTEN BY TWO LEADING AUTHORITIES IN THE FIELDS OF PHYSICAL ANTHROPOLOGY AND MOLECULAR EVOLUTION, **PROCESSES IN HUMAN EVOLUTION** PRESENTS A RECONSIDERED OVERVIEW OF HOMINID EVOLUTION, SYNTHESISING DATA AND APPROACHES FROM A RANGE OF INTERDISCIPLINARY FIELDS. THE AUTHORS PAY PARTICULAR ATTENTION TO POPULATION MIGRATIONS - SINCE THESE ARE CRUCIAL IN UNDERSTANDING THE ORIGIN AND DISPERSION OF THE DIFFERENT GENERA AND SPECIES IN EACH CONTINENT - AND TO THE EMERGENCE OF THE LITHIC CULTURES AND THEIR IMPACT ON THE EVOLUTION OF COGNITIVE CAPACITIES. **PROCESSES IN HUMAN EVOLUTION** IS INTENDED AS A PRIMARY TEXTBOOK FOR UNIVERSITY COURSES ON HUMAN EVOLUTION, AND MAY ALSO BE USED AS SUPPLEMENTARY READING IN ADVANCED UNDERGRADUATE AND GRADUATE COURSES. IT IS ALSO SUITABLE FOR A MORE GENERAL AUDIENCE SEEKING A READABLE BUT UP-TO-DATE AND INCLUSIVE TREATMENT OF HUMAN ORIGINS AND EVOLUTION.

SAPIENS - YUVAL NOAH HARARI 2014-09-04

'INTERESTING AND PROVOCATIVE... IT GIVES YOU A SENSE OF HOW BRIEFLY WE'VE BEEN ON THIS EARTH' BARACK OBAMA 'WHAT MAKES US BRILLIANT? WHAT MAKES US DEADLY? WHAT MAKES US SAPIENS?' ONE OF THE WORLD'S PREEMINENT HISTORIANS AND THINKERS, YUVAL NOAH HARARI CHALLENGES EVERYTHING WE KNOW ABOUT BEING HUMAN. EARTH IS 4.5 BILLION YEARS OLD. IN JUST A FRACTION OF THAT TIME, ONE SPECIES AMONG COUNTLESS OTHERS HAS CONQUERED IT: US. IN THIS BOLD AND PROVOCATIVE BOOK, YUVAL NOAH HARARI EXPLORES WHO WE ARE, HOW WE GOT HERE AND WHERE WE'RE GOING. \*\*ONE OF THE GUARDIAN'S 100 BEST BOOKS OF THE 21ST CENTURY\*\* PRAISE FOR **SAPIENS**: 'JAW-DROPPING FROM THE FIRST WORD TO THE LAST... IT MAY BE THE BEST BOOK I'VE EVER READ' CHRIS EVANS 'STARTLING... IT CHANGES THE WAY YOU LOOK AT THE WORLD' SIMON MAYO 'I WOULD RECOMMEND **SAPIENS** TO ANYONE WHO'S INTERESTED IN THE HISTORY AND FUTURE OF OUR SPECIES' BILL GATES

PRINCIPLES OF HUMAN EVOLUTION - ROBERT ANDREW FOLEY 2013-05-03

**PRINCIPLES OF HUMAN EVOLUTION** PRESENTS AN IN-DEPTH INTRODUCTION TO PALEOANTHOLOGY AND THE STUDY OF HUMAN EVOLUTION. FOCUSING ON THE FUNDAMENTALS OF EVOLUTIONARY THEORY AND HOW THESE APPLY TO ECOLOGICAL, MOLECULAR GENETIC, PALEONTOLOGICAL AND ARCHAEOLOGICAL APPROACHES TO IMPORTANT QUESTIONS IN THE FIELD, THIS TIMELY TEXTBOOK WILL HELP STUDENTS GAIN A PERSPECTIVE ON HUMAN EVOLUTION IN THE CONTEXT OF MODERN BIOLOGICAL THINKING. THE SECOND EDITION OF THIS SUCCESSFUL TEXT FEATURES THE ADDITION OF ROBERT FOLEY, A LEADING RESEARCHER IN HUMAN EVOLUTIONARY STUDIES, TO THE WRITING TEAM. STRONG EMPHASIS ON EVOLUTIONARY THEORY, ECOLOGY AND BEHAVIOR AND SCORES OF NEW EXAMPLES REFLECT THE LATEST EVOLUTIONARY THEORIES AND RECENT ARCHAEOLOGICAL FINDS. MORE THAN A SIMPLE UPDATE, THE NEW EDITION IS ORGANIZED BY ISSUE RATHER THAN CHRONOLOGY, INTEGRATING BEHAVIOR, ADAPTATION AND ANATOMY. A NEW DESIGN AND NEW FIGURE REFERENCES MAKE THIS EDITION MORE ACCESSIBLE FOR STUDENTS AND INSTRUCTORS. NEW AUTHOR, ROBERT FOLEY - LEADING FIGURE IN HUMAN EVOLUTIONARY STUDIES - JOINS THE WRITING TEAM. DEDICATED WEBSITE - WWW.BLACKWELLPUBLISHING.COM/LEWIN- PROVIDES STUDY RESOURCES AND ARTWORK DOWNLOADABLE FOR POWERPOINT PRESENTATIONS. BEYOND THE FACTS BOXES - EXPLORE KEY SCIENTIFIC DEBATES IN GREATER DEPTH. MARGIN COMMENTS - INDICATE THE KEY POINTS IN EACH SECTION. KEY QUESTIONS - REVIEW AND TEST STUDENTS' KNOWLEDGE OF CENTRAL CHAPTER CONCEPTS AND HELP FOCUS THE WAY A STUDENT APPROACHES READING THE TEXT. NEW EMPHASIS ON ECOLOGICAL AND BEHAVIORAL EVOLUTION - IN KEEPING WITH MODERN RESEARCH. FULLY UP TO DATE WITH RECENT FOSSIL FINDS AND INTERPRETATIONS; INTEGRATION OF GENETIC AND PALEOANTHOLOGICAL APPROACHES.

THE STORY OF THE HUMAN BODY - DANIEL LIEBERMAN 2013-10-03

**STORY OF THE HUMAN BODY** EXPLORES HOW THE WAY WE USE OUR BODIES IS ALL WRONG. FROM AN EVOLUTIONARY PERSPECTIVE, IF NORMAL IS DEFINED AS WHAT MOST PEOPLE HAVE DONE FOR MILLIONS OF YEARS, THEN IT'S NORMAL TO WALK AND RUN 9-15 KILOMETERS A DAY TO HUNT AND GATHER FRESH FOOD WHICH IS HIGH IN FIBRE, LOW IN SUGAR, AND BARELY PROCESSED. IT'S ALSO NORMAL TO SPEND MUCH OF YOUR TIME NURSING, NAPPING, MAKING STONE TOOLS, AND GOSSIPING WITH A SMALL BAND OF PEOPLE. OUR 21ST-CENTURY LIFESTYLES, ARGUES DAN LIEBERMAN, ARE OUT OF SYNCH WITH OUR STONE-AGE BODIES. NEVER HAVE WE BEEN SO HEALTHY AND LONG-LIVED - BUT NEVER, TOO, HAVE WE BEEN SO PRONE TO A SLEW OF PROBLEMS THAT WERE, UNTIL RECENTLY, RARE OR UNKNOWN, FROM ASTHMA, TO DIABETES, TO - SCARIEST OF ALL - OVERPOPULATION. **STORY OF THE HUMAN BODY** ASKS HOW OUR BODIES GOT TO BE THE WAY THEY ARE, AND CONSIDERS HOW THAT EVOLUTIONARY HISTORY - BOTH ANCIENT AND RECENT - CAN HELP US EVALUATE HOW WE USE OUR BODIES. HOW IS THE PRESENT-DAY STATE OF THE HUMAN BODY RELATED TO THE PAST? AND WHAT IS THE HUMAN BODY'S FUTURE? DANIEL LIEBERMAN IS THE CHAIR OF THE DEPARTMENT OF HUMAN EVOLUTIONARY BIOLOGY AT HARVARD AND A LEADER IN THE FIELD. HE HAS WRITTEN NEARLY 100 ARTICLES, MANY APPEARING IN THE JOURNALS NATURE AND SCIENCE, AND HIS COVER STORY ON BAREFOOT RUNNING IN NATURE WAS PICKED UP BY MAJOR MEDIA THE WORLD OVER. HIS RESEARCH AND DISCOVERIES HAVE BEEN HIGHLIGHTED IN NEWSPAPERS AND MAGAZINES, INCLUDING THE NEW YORK TIMES, THE BOSTON GLOBE, DISCOVER, AND NATIONAL GEOGRAPHIC.

THE ILLUSTRATED ENCYCLOPAEDIA OF 'UGLY' ANIMALS - SAMI BAYLY 2020-06-11

MARVEL AS YOU ENTER THE FASCINATING HIDDEN WORLD OF UGLY ANIMALS IN THIS ENCYCLOPAEDIA OF THE ANIMAL KINGDOM'S MOST UNUSUAL AND AND SO-CALLED 'UGLY' SPECIES. IT'S TIME TO SEE UGLINESS IN A WHOLE NEW LIGHT! WITH MORE THAN SIXTY ANIMALS TO EXPLORE, THIS COMPENDIUM OF THE UNUSUAL CELEBRATES THE BEAUTY IN 'UGLINESS'. CHILDREN AND ADULTS ALIKE WILL PORE OVER THE BREATHTAKING SCIENTIFIC ILLUSTRATIONS OF UNUSUAL ANIMALS, DISCOVERING WHY THESE ANIMALS DEVELOPED SUCH EXTRAORDINARY FEATURES AND LEARNING ABOUT SCIENCE AND NATURE ALONG THE WAY. FEATURING ILLUSTRATIONS AND FACTS ABOUT THE THORNIEST SPECIES THE ANIMAL KINGDOM HAS TO OFFER, FROM THE NAKED MOLE RAT TO THE GOBLIN SHARK, AYE-AYE, BLOBFISH AND MANY MORE. THIS GORGEOUS BOOK IS ILLUSTRATED IN EXQUISITE DETAIL BY DEBUT ARTIST, SAMI BAYLY.

EVOLUTIONARY PSYCHIATRY - ANTHONY STEVENS 2015-12-14

**EVOLUTIONARY PSYCHIATRY** WAS FIRST PUBLISHED IN 1996, THE SECOND EDITION FOLLOWED IN 2000. THIS GROUND BREAKING BOOK CHALLENGED THE MEDICAL MODEL WHICH SUPPLIED FEW EFFECTIVE ANSWERS TO LONG-STANDING CONUNDRUMS. A COMPREHENSIVE INTRODUCTION TO THE SCIENCE OF DARWINIAN PSYCHIATRY, THE SECOND EDITION INCLUDED IMPORTANT FRESH MATERIAL ON A NUMBER OF DISORDERS, ALONG WITH A CHAPTER ON RESEARCH. ANTHONY STEVENS AND JOHN PRICE ARGUE THAT PSYCHIATRIC SYMPTOMS ARE MANIFESTATIONS OF ANCIENT ADAPTIVE STRATEGIES WHICH ARE NO LONGER NECESSARILY APPROPRIATE BUT WHICH CAN BEST BE UNDERSTOOD AND TREATED IN AN EVOLUTIONARY AND DEVELOPMENTAL CONTEXT. PARTICULARLY IMPORTANT ARE THE THEORIES STEVENS AND PRICE PROPOSE TO ACCOUNT FOR THE WORLDWIDE EXISTENCE OF MOOD DISORDERS AND SCHIZOPHRENIA, AS WELL AS OFFERING SOLUTIONS FOR SUCH PUZZLES AS PAEDOPHILIA, SADO-MASOCHISM AND THE FUNCTION OF DREAMS. READILY ACCESSIBLE TO BOTH THE SPECIALIST AND NON-SPECIALIST READER, **EVOLUTIONARY PSYCHIATRY** DESCRIBES IN DETAIL THE DISORDERS AND CONDITIONS COMMONLY ENCOUNTERED IN PSYCHIATRIC PRACTICE AND SHOWS HOW EVOLUTIONARY THEORY CAN ACCOUNT FOR THEIR BIOLOGICAL ORIGINS AND FUNCTIONAL NATURE. THIS CLASSIC EDITION OF THE BOOK INCLUDES A NEW PREFACE BY ANTHONY STEVENS AND A FOREWORD BY PAUL GILBERT.

EVOLUTIONARY NEUROSCIENCE - JON H. KAAS 2009-07-28

**EVOLUTIONARY NEUROSCIENCE** IS A COLLECTION OF ARTICLES IN BRAIN EVOLUTION SELECTED FROM THE RECENT COMPREHENSIVE REFERENCE, **EVOLUTION OF NERVOUS SYSTEMS** (ELSEVIER, ACADEMIC PRESS, 2007). THE SELECTED CHAPTERS COVER A BROAD RANGE OF TOPICS FROM HISTORICAL THEORY TO THE MOST RECENT DEDUCTIONS FROM COMPARATIVE STUDIES OF BRAINS. THE ARTICLES ARE ORGANIZED IN SECTIONS FOCUSED ON THEORIES AND BRAIN SCALING, THE EVOLUTION OF BRAINS FROM EARLY VERTEBRATES TO PRESENT-DAY FISHES, AMPHIBIANS, REPTILES AND BIRDS, THE EVOLUTION OF MAMMALIAN BRAINS, AND THE EVOLUTION OF PRIMATE BRAINS, INCLUDING HUMAN BRAINS. EACH CHAPTER IS WRITTEN BY A LEADER OR LEADERS IN THE FIELD, AND HAS BEEN REVIEWED BY OTHER EXPERTS. SPECIFIC TOPICS INCLUDE BRAIN CHARACTER RECONSTRUCTION, PRINCIPLES OF BRAIN SCALING, BASIC FEATURES OF VERTEBRATE BRAINS, THE EVOLUTION OF THE MAJOR SENSORY SYSTEMS, AND OTHER PARTS OF BRAINS, WHAT WE CAN LEARN FROM FOSSILS, THE ORIGIN OF NEOCORTEX, AND THE EVOLUTION OF SPECIALIZATIONS OF HUMAN BRAINS. THE COLLECTION OF ARTICLES WILL BE INTERESTING TO ANYONE WHO IS CURIOUS ABOUT HOW BRAINS EVOLVED FROM THE SIMPLER NERVOUS SYSTEMS OF THE FIRST VERTEBRATES INTO THE MANY DIFFERENT COMPLEX FORMS NOW FOUND IN PRESENT-DAY VERTEBRATES. THIS BOOK WOULD BE OF USE TO STUDENTS AT THE GRADUATE OR UNDERGRADUATE LEVELS, AS WELL AS PROFESSIONAL NEUROSCIENTISTS, COGNITIVE SCIENTISTS, AND PSYCHOLOGISTS. TOGETHER, THE CHAPTERS PROVIDE A COMPREHENSIVE LIST OF FURTHER READING AND REFERENCES FOR THOSE WHO WANT TO INQUIRE FURTHER. • THE MOST COMPREHENSIVE, AUTHORITATIVE AND UP-TO-DATE SINGLE VOLUME COLLECTION ON BRAIN EVOLUTION • FULL COLOR THROUGHOUT, WITH MANY ILLUSTRATIONS • WRITTEN BY LEADING SCHOLARS AND EXPERTS

WHEN WE BECAME HUMANS - MICHAEL BRIGHT 2019-07-16

WHAT MAKES US HUMAN, AND WHERE DID WE COME FROM? HOW DID A CLEVER APE CLIMB DOWN FROM THE TREES AND CHANGE THE WORLD LIKE NO OTHER ANIMAL HAS DONE BEFORE? THIS LARGE-FORMAT, HIGHLY ILLUSTRATED BOOK GUIDES READERS THROUGH THE KEY ASPECTS OF THE HUMAN STORY, FROM THE ANATOMICAL CHANGES THAT ALLOWED US TO WALK UPRIGHT AND INCREASED BRAIN SIZE IN OUR ANCESTORS, TO THE SOCIAL, CULTURAL, AND ECONOMIC DEVELOPMENTS OF OUR MORE RECENT COUSINS AND OUR OWN SPECIES. ALONG THE WAY, FOCUS SPREADS TAKE A CLOSER LOOK AT SOME OF THE KEY SPECIES IN OUR HISTORY, FROM THE ANCIENT AUSTRALOPITHECUS AFARENSIS, 'LUCY', TO OUR RECENT COUSINS THE NEANDERTHALS AND OURSELVES, HOMO SAPIENS. LOOKING BEYOND THE ANATOMICAL EVOLUTION OF HUMANS, THIS BOOK EXPLORES HOW OUR CULTURE AND WAY OF LIVING HAS EVOLVED, FROM HOW TRAILS OF COWRY SHELLS REVEAL EARLY TRADE BETWEEN TRIBES, TO HOW AND WHY HUMANS FIRST DOMESTICATED DOGS, HORSES, AND FARM ANIMALS, AND BEGAN SETTLING IN PERMANENT VILLAGES AND CITIES. THROUGH DIGESTIBLE INFORMATION AND ABSORBING ILLUSTRATION, YOUNG READERS WILL BE GIVEN AN INSIGHT INTO THEIR OWN ORIGINS, AND WHAT IT REALLY MEANS TO BE A HUMAN.

HOW TO BUILD A HUMAN - PAMELA S. TURNER 2022-04-12

THE EPIC STORY OF OUR EVOLUTION IN SEVEN BIG STEPS! HOW DID WE BECOME WHO WE ARE? WITH TRADEMARK WIT, ACCLAIMED SCIENCE WRITER PAMELA S. TURNER BREAKS DOWN HUMAN EVOLUTION INTO THE SEVEN MOST IMPORTANT STEPS LEADING TO HOMO SAPIENS. HOW, WHEN, AND WHY DID WE: 1. STAND UP, 2. SMASH ROCKS, 3. GET SWELLED HEADS,

4. TAKE A HIKE, 5. INVENT BARBECUE, 6. START TALKING (AND NEVER SHUT UP), AND 7. BECOME STORYTELLERS? THIS FASCINATING, WICKEDLY FUNNY ACCOUNT OF OUR EVOLUTIONARY JOURNEY TURNS SCIENCE INTO AN IRRESISTIBLE STORY. VETTED BY EXPERTS AT THE SMITHSONIAN'S HUMAN ORIGINS PROGRAM, THE BOOK ALSO FEATURES INCREDIBLY DETAILED PORTRAITS BY CELEBRATED PALEO-ARTIST JOHN GURCHE THAT BRING OUR EARLY ANCESTORS TO LIFE.

**A STORY OF US** - LESLEY NEWSON 2021-02-19

IT'S TIME FOR A STORY OF HUMAN EVOLUTION THAT GOES BEYOND DESCRIBING "APE-MEN" AND TALKS ABOUT WHAT WOMEN AND CHILDREN WERE DOING. IN A FEW DECADES, A TORRENT OF NEW EVIDENCE AND IDEAS ABOUT HUMAN EVOLUTION HAS ALLOWED SCIENTISTS TO PIECE TOGETHER A MORE DETAILED UNDERSTANDING OF WHAT WENT ON THOUSANDS AND EVEN MILLIONS OF YEARS AGO. WE NOW KNOW MUCH MORE ABOUT THE PROBLEMS OUR ANCESTORS FACED, THE SOLUTIONS THEY FOUND, AND THE TRADE-OFFS THEY MADE. THE DRAMA OF THEIR EXPERIENCES LED TO THE HUMANS WE ARE TODAY: AN ANIMAL THAT RELIES ON A COMPLEX CULTURE. WE ARE A SPECIES THAT CAN AND DOES RAPIDLY EVOLVE CULTURAL SOLUTIONS AS WE FACE NEW PROBLEMS, BUT THE INTRICACIES OF OUR CULTURES MEAN THAT THIS OFTEN CREATES NEW CHALLENGES. OUR SPECIES' UNIQUE CAPACITY FOR CULTURE BEGAN TO EVOLVE MILLIONS OF YEARS AGO, BUT IT ONLY REALLY TOOK OFF IN THE LAST FEW HUNDRED THOUSAND YEARS. THIS CAPACITY ALLOWED OUR ANCESTORS TO SURVIVE AND RAISE THEIR DIFFICULT CHILDREN DURING TIMES OF EXTREME CLIMATE CHAOS. UNDERSTANDING HOW THIS HAS EVOLVED CAN HELP US UNDERSTAND THE CULTURAL CHANGE AND DIVERSITY THAT WE EXPERIENCE TODAY. LESLEY NEWSON AND PETER RICHEYSON, A HUSBAND-AND-WIFE TEAM BASED AT THE UNIVERSITY OF CALIFORNIA, DAVIS, BEGAN THEIR CAREERS WITH TRAINING IN BIOLOGY. THE TWO HAVE SPENT YEARS TOGETHER AND INDIVIDUALLY RESEARCHING AND COLLABORATING WITH SCHOLARS FROM A WIDE RANGE OF DISCIPLINES TO PRODUCE A DEEP HISTORY OF HUMANKIND. IN A STORY OF US, THEY PRESENT THIS RICH NARRATIVE AND EXPLAIN HOW THE EVOLUTION OF OUR GENES RELATES TO THE EVOLUTION OF OUR CULTURES. NEWSON AND RICHEYSON TAKE READERS THROUGH SEVEN STAGES OF HUMAN EVOLUTION, BEGINNING SEVEN MILLION YEARS AGO WITH THE APES THAT WERE THE ANCESTORS OF HUMANS AND TODAY'S CHIMPS AND BONOBOS. THE STORY ENDS IN THE PRESENT DAY AND OFFERS A GLIMPSE INTO THE FUTURE.

**THE EVOLUTION OF COOPERATION** - ROBERT AXELROD 2009-04-29

A FAMED POLITICAL SCIENTIST'S CLASSIC ARGUMENT FOR A MORE COOPERATIVE WORLD WE ASSUME THAT, IN A WORLD RULED BY NATURAL SELECTION, SELFISHNESS PAYS. SO WHY COOPERATE? IN THE EVOLUTION OF COOPERATION, POLITICAL SCIENTIST ROBERT AXELROD SEEKS TO ANSWER THIS QUESTION. IN 1980, HE ORGANIZED THE FAMED COMPUTER PRISONERS DILEMMA TOURNAMENT, WHICH SOUGHT TO FIND THE OPTIMAL STRATEGY FOR SURVIVAL IN A PARTICULAR GAME. OVER AND OVER, THE SIMPLEST STRATEGY, A COOPERATIVE PROGRAM CALLED TIT FOR TAT, SHUT OUT THE COMPETITION. IN OTHER WORDS, COOPERATION, NOT UNFETTERED COMPETITION, TURNS OUT TO BE OUR BEST CHANCE FOR SURVIVAL. A VITAL BOOK FOR LEADERS AND DECISION MAKERS, THE EVOLUTION OF COOPERATION REVEALS HOW COOPERATIVE PRINCIPLES HELP US THINK BETTER ABOUT EVERYTHING FROM MILITARY STRATEGY, TO POLITICAL ELECTIONS, TO FAMILY DYNAMICS.

**HUMAN EVOLUTION: A VERY SHORT INTRODUCTION** - BERNARD WOOD 2019-06-27

THE STUDY OF HUMAN EVOLUTION IS ADVANCING RAPIDLY. NEWLY DISCOVERED FOSSIL EVIDENCE IS ADDING EVER MORE PIECES TO THE PUZZLE OF OUR PAST, WHILST REVOLUTIONARY TECHNOLOGICAL ADVANCES IN THE STUDY OF ANCIENT DNA ARE COMPLETELY RESHAPING THEORIES OF EARLY HUMAN POPULATIONS AND MIGRATIONS. IN THIS VERY SHORT INTRODUCTION BERNARD WOOD TRACES THE HISTORY OF PALEOANTHROPOLOGY FROM ITS BEGINNINGS IN THE EIGHTEENTH CENTURY TO THE VERY LATEST FOSSIL FINDS. IN THIS NEW EDITION HE DISCUSSES HOW ANCIENT DNA STUDIES HAVE REVOLUTIONIZED HOW WE VIEW THE RECENT (POST-550 KA) HUMAN EVOLUTION, AND THE PROCESS OF SPECIATION. THE COMBINATION OF ANCIENT AND MODERN HUMAN DNA HAS CONTRIBUTED TO DISCOVERIES OF NEW TAXA, AS WELL AS THE SUGGESTION OF 'GHOST' TAXA WHOSE FOSSIL RECORDS STILL REMAIN TO BE DISCOVERED. CONSIDERING THE CONTRIBUTIONS OF RELATED SCIENCES SUCH AS PALEOCLIMATOLOGY, GEOCHRONOLOGY, SYSTEMATICS, GENETICS, AND DEVELOPMENTAL BIOLOGY, WOOD EXPLORES OUR LATEST UNDERSTANDINGS OF OUR OWN EVOLUTION. ABOUT THE SERIES: THE VERY SHORT INTRODUCTIONS SERIES FROM OXFORD UNIVERSITY PRESS CONTAINS HUNDREDS OF TITLES IN ALMOST EVERY SUBJECT AREA. THESE POCKET-SIZED BOOKS ARE THE PERFECT WAY TO GET AHEAD IN A NEW SUBJECT QUICKLY. OUR EXPERT AUTHORS COMBINE FACTS, ANALYSIS, PERSPECTIVE, NEW IDEAS, AND ENTHUSIASM TO MAKE INTERESTING AND CHALLENGING TOPICS HIGHLY READABLE.

**THE COMPLETE WORLD OF HUMAN EVOLUTION** - CHRIS STRINGER 2017-07-26

THE COMPLETE WORLD OF HUMAN EVOLUTION BY CHRIS STRINGER

**THE SELFISH GENE** - RICHARD DAWKINS 1989

SCIENCE NEED NOT BE DULL AND BOGGED DOWN BY JARGON, AS RICHARD DAWKINS PROVES IN THIS ENTERTAINING LOOK AT EVOLUTION. THE THEMES HE TAKES UP ARE THE CONCEPTS OF ALTRUISTIC AND SELFISH BEHAVIOUR; THE GENETICAL DEFINITION OF SELFISH INTEREST; THE EVOLUTION OF AGGRESSIVE BEHAVIOUR; KINSHIP THEORY; SEX RATIO THEORY; RECIPROCAL ALTRUISM; DECEIT; AND THE NATURAL SELECTION OF SEX DIFFERENCES. 'SHOULD BE READ, CAN BE READ BY ALMOST ANYONE. IT DESCRIBES WITH GREAT SKILL A NEW FACE OF THE THEORY OF EVOLUTION.' W.D. HAMILTON, SCIENCE

**THE INCREDIBLE UNLIKELINESS OF BEING** - ALICE ROBERTS 2014-09-04

'FROM YOUR BRAIN TO YOUR FINGERTIPS, YOU EMERGE FROM HER BOOK ENTERTAINED AND WITH A DEEPER UNDERSTANDING OF YOURSELF' RICHARD DAWKINS 'A MASTERFUL ACCOUNT OF WHY OUR BODIES ARE THE WAY THEY ARE . . . THIS BOOK REALLY SHINES . . . ROBERTS'S LIGHTNESS OF TOUCH IS JOYOUS, AND CELEBRATORY' OBSERVER 'WITTY, PERSONAL AND ABOVE ALL INFORMED BY PASSION AND DEEP KNOWLEDGE, THIS IS THE STORY OF YOU, NOT JUST FROM CONCEPTION ONWARDS BUT FROM THE MILLIONS OF YEARS OF EVOLUTION THAT HAVE SHAPED THE WAY WE ARE TODAY' ADAM RUTHERFORD \*\*\*SHORTLISTED FOR THE WELLCOME BOOK PRIZE\*\*\* ALICE ROBERTS TAKES YOU ON THE MOST INCREDIBLE JOURNEY, REVEALING YOUR PATH FROM A SINGLE CELL TO A COMPLEX EMBRYO TO A LIVING, BREATHING, THINKING PERSON. IT'S A STORY THAT CONNECTS US WITH OUR DISTANT ANCESTORS AND AN EXTRAORDINARY, UNLIKELY CHAIN OF EVENTS THAT SHAPED HUMAN DEVELOPMENT AND LEFT A MARK ON ALL OF US. ALICE ROBERTS USES THE LATEST RESEARCH TO UNCOVER THE EVOLUTIONARY HISTORY HIDDEN IN ALL OF US, FROM THE SECRETS FOUND

ONLY IN OUR EMBRYOS AND GENES - INCLUDING WHY AS EMBRYOS WE HAVE WHAT LOOK LIKE GILLS - TO THOSE VISIBLE IN YOUR ANATOMY. THIS IS A TALE OF DISCOVERY, EXPLORING WHY AND HOW WE HAVE DEVELOPED AS WE HAVE. THIS IS YOUR STORY, TOLD AS NEVER BEFORE.

**THE DOMINANT ANIMAL** - PAUL R. EHRLICH 2008-06-30

IN HUMANITY'S MORE THAN 100,000 YEAR HISTORY, WE HAVE EVOLVED FROM VULNERABLE CREATURES CLAWING SUSTENANCE FROM EARTH TO A SOPHISTICATED GLOBAL SOCIETY MANIPULATING EVERY INCH OF IT. IN SHORT, WE HAVE BECOME THE DOMINANT ANIMAL. WHY, THEN, ARE WE CREATING A WORLD THAT THREATENS OUR OWN SPECIES? WHAT CAN WE DO TO CHANGE THE CURRENT TRAJECTORY TOWARD MORE CLIMATE CHANGE, INCREASED FAMINE, AND EPIDEMIC DISEASE? RENOWNED STANFORD SCIENTISTS PAUL R. EHRLICH AND ANNE H. EHRLICH BELIEVE THAT INTELLIGENTLY ADDRESSING THOSE QUESTIONS DEPENDS ON A CLEAR UNDERSTANDING OF HOW WE EVOLVED AND HOW AND WHY WE'RE CHANGING THE PLANET IN WAYS THAT DARKEN OUR DESCENDANTS' FUTURE. THE DOMINANT ANIMAL ARMS READERS WITH THAT KNOWLEDGE, TRACING THE INTERPLAY BETWEEN ENVIRONMENTAL CHANGE AND GENETIC AND CULTURAL EVOLUTION SINCE THE DAWN OF HUMANITY. IN LUCID AND ENGAGING PROSE, THEY DESCRIBE HOW HOMO SAPIENS ADAPTED TO THEIR SURROUNDINGS, EVENTUALLY DEVELOPING THE VIBRANT CULTURES, VAST SCIENTIFIC KNOWLEDGE, AND TECHNOLOGICAL WIZARDRY WE KNOW TODAY. BUT THE EHRLICHS ALSO EXPLORE THE FLIP SIDE OF THIS TRIUMPHANT STORY OF INNOVATION AND CONQUEST. AS WE CLEAR FORESTS TO RAISE CROPS AND BUILD CITIES, LACE THE CONTINENTS WITH HIGHWAYS, AND CREATE CHEMICALS NEVER BEFORE SEEN IN NATURE, WE MAY BE UNDERMINING OUR OWN SUPREMACY. THE THREATS OF ENVIRONMENTAL DAMAGE ARE CLEAR FROM THE DAILY HEADLINES, BUT THE OUTCOME IS FAR FROM DESTINED. HUMANITY CAN AGAIN ADAPT—IF WE LEARN FROM OUR EVOLUTIONARY PAST. THOSE LESSONS ARE CRYSTALLIZED IN THE DOMINANT ANIMAL. TACKLING THE FUNDAMENTAL CHALLENGE OF THE HUMAN PREDICAMENT, PAUL AND ANNE EHRLICH OFFER A VIVID AND UNIQUE EXPLORATION OF OUR ORIGINS, OUR EVOLUTION, AND OUR FUTURE.

**LIFE ON EARTH** - STEVE JENKINS 2002-10-28

THERE ARE MILLIONS OF DIFFERENT KINDS OF PLANTS AND ANIMALS LIVING ON THE EARTH. MANY MILLIONS MORE LIVED HERE IN THE PAST. WHERE DID THEY ALL COME FROM? WHY HAVE SOME BECOME EXTINCT AND OTHERS LIVED ON? IN THIS REMARKABLE BOOK FOR CHILDREN, STEVE JENKINS EXPLORES THE FASCINATING HISTORY OF LIFE ON EARTH AND THE AWE-INSPIRING STORY OF EVOLUTION, CHARLES DARWIN'S GREAT CONTRIBUTION TO MODERN SCIENCE.

**OUR HUMAN STORY** - LOUISE HUMPHREY 2018

OUR HUMAN STORY IS A GUIDE TO OUR FOSSIL RELATIVES, FROM WHAT MAY BE THE EARLIEST HOMININS SUCH AS SAHELANTHROPUS, DATING BACK SIX TO SEVEN MILLION YEARS, THROUGH TO OUR OWN SPECIES, HOMO SAPIENS. OVER THE PAST 25 YEARS THERE HAS BEEN AN EXPLOSION OF SPECIES' NAMES IN THE STORY OF HUMAN EVOLUTION, DUE BOTH TO NEW DISCOVERIES AND TO A GROWING UNDERSTANDING OF THE DIVERSITY THAT EXISTED IN THE PAST. DRAWING ON THIS NEW INFORMATION, AS WELL AS THEIR OWN CONSIDERABLE EXPERTISE AND PRACTICAL EXPERIENCE, LOUISE HUMPHREY AND CHRIS STRINGER EXPLAIN IN CLEAR AND ACCESSIBLE LANGUAGE WHAT EACH OF THE KEY SPECIES REPRESENTS, AND HOW IT CONTRIBUTES TO OUR KNOWLEDGE OF HUMAN EVOLUTION.

**A POCKET HISTORY OF HUMAN EVOLUTION** - SILVANA CONDEMI 2019-11-01

WHY AREN'T WE MORE LIKE OTHER APES? HOW DID WE WIN THE EVOLUTIONARY RACE? FIND OUT HOW "WISE" HOMO SAPIENS REALLY ARE. PREHISTORY HAS NEVER BEEN MORE EXCITING: NEW DISCOVERIES ARE OVERTURNING LONG-HELD THEORIES LEFT AND RIGHT. STONE TOOLS IN AUSTRALIA DATE BACK 65,000 YEARS—A TIME WHEN, WE ONCE THOUGHT, THE FIRST SAPIENS HAD BARELY LEFT AFRICA. DNA SEQUENCING HAS UNEARTHED A NEW HOMINID GROUP—THE DENISOVANS—AND CONFIRMED THAT CROSSBREEDING WITH THEM (AND NEANDERTHALS) MADE HOMO SAPIENS WHO WE ARE TODAY. A POCKET HISTORY OF HUMAN EVOLUTION BRINGS US UP-TO-DATE ON THE EXPLOITS OF ALL OUR ANCIENT RELATIVES. PALEOANTHROPOLOGIST SILVANA CONDEMI AND SCIENCE JOURNALIST FRANÇOIS SAVATIER CONSIDER WHAT ACCELERATED OUR EVOLUTION: WAS IT TOOLS, OUR "LARGE" BRAINS, LANGUAGE, EMPATHY, OR SOMETHING ELSE ENTIRELY? AND WHY ARE WE THE SOLE SURVIVORS AMONG MANY EARLY BIPEDAL HUMANS? THEIR CONCLUSIONS REVEAL THE VARIOUS WAYS ANCIENT HUMANS LIVE ON TODAY—FROM GOSSIP AS MODERN "GROOMING" TO OUR GENDERED DIVISION OF LABOR—AND WHAT THE FUTURE MIGHT HOLD FOR OUR STRANGE AND UNIQUE SPECIES.

**HUMAN EVOLUTION** - ROBIN DUNBAR 2014-05-01

WHAT MAKES US HUMAN? HOW DID WE DEVELOP LANGUAGE, THOUGHT AND CULTURE? WHY DID WE SURVIVE, AND OTHER HUMAN SPECIES FAIL? THE PAST 12,000 YEARS REPRESENT THE ONLY TIME IN THE SWEEP OF HUMAN HISTORY WHEN THERE HAS BEEN ONLY ONE HUMAN SPECIES. HOW DID THIS EXTRAORDINARY PROLIFERATION OF SPECIES COME ABOUT - AND THEN GO EXTINCT? AND WHY DID WE EMERGE SUCH INTELLECTUAL GIANTS? THE TALE OF OUR ORIGINS HAS INEVITABLY BEEN TOLD THROUGH THE 'STONES AND BONES' OF THE ARCHAEOLOGICAL RECORD, YET ROBIN DUNBAR SHOWS IT WAS OUR SOCIAL AND COGNITIVE CHANGES RATHER THAN OUR PHYSICAL DEVELOPMENT WHICH TRULY MADE US DISTINCT FROM OTHER SPECIES.

**TAMED** - ALICE ROBERTS 2017-10-19

\*\*\*A MASTERPIECE OF EVOCATIVE SCIENTIFIC STORYTELLING. BRIAN COX\*\*\* WILL APPEAL TO FANS OF YUVAL NOAH HARARI'S SAPIENS'. MAIL ON SUNDAY \*\* THE EXTRAORDINARY STORY OF THE SPECIES THAT BECAME OUR ALLIES. DOGS BECAME OUR COMPANIONS WHEAT FED A BOOMING POPULATION CATTLE GAVE US MEAT AND MILK MAIZE FUELLED THE GROWTH OF EMPIRES POTATOES BROUGHT US FEAST AND FAMINE CHICKENS LED US TO WONDER ABOUT TOMORROW RICE PROMISED US A GOLDEN FUTURE HORSES GAVE US STRENGTH AND SPEED APPLES TRAVELLED WITH US HUMANS TAMED THEM ALL FOR HUNDREDS OF THOUSANDS OF YEARS, OUR ANCESTORS DEPENDED ON WILD PLANTS AND ANIMALS TO STAY ALIVE - UNTIL THEY BEGAN TO TAME THEM. COMBINING ARCHAEOLOGY AND CUTTING-EDGE GENETICS, TAMED TELLS THE STORY OF THE GREATEST REVOLUTION IN HUMAN HISTORY AND REVEALS THE FASCINATING ORIGINS OF TEN CRUCIAL DOMESTICATED SPECIES; AND HOW THEY, IN TURN, TRANSFORMED US. IN A WORLD CREAKING UNDER THE STRAIN OF HUMAN ACTIVITY, ALICE ROBERTS URGES US TO LOOK AGAIN AT OUR RELATIONSHIP WITH THE NATURAL WORLD - AND OUR HUGE INFLUENCE UPON IT. AN ECONOMIST AND MAIL ON SUNDAY 'BOOK OF THE YEAR' 2017

**THE INCREDIBLE HUMAN JOURNEY** - ALICE ROBERTS 2010-04-05

ALICE ROBERTS HAS BEEN TRAVELLING THE WORLD - FROM ETHIOPIAN DESERT TO MALAY PENINSULA AND FROM RUSSIAN STEPPES TO AMAZON BASIN - IN ORDER TO UNDERSTAND THE CHALLENGES THAT EARLY HUMANS FACED AS THEY TRIED TO SETTLE CONTINENTS. ON HER TRAVELS SHE HAS WITNESSED SOME OF THE DAUNTING AND BRUTAL CHALLENGES OUR ANCESTORS HAD TO FACE: MOUNTAINS, DESERTS, OCEANS, CHANGING CLIMATES, TERRIFYING GIANT BEASTS AND VOLCANOES. BUT SHE DISCOVERS THAT PERHAPS THE MOST SERIOUS THREAT OF ALL CAME FROM OTHER HUMANS. WHEN OUR ANCESTORS SET OUT FROM AFRICA THERE WERE ALREADY TWO OTHER SPECIES OF HUMAN ON THE PLANET: NEANDERTHAL IN EUROPE AND HOMO ERECTUS IN ASIA. BOTH (CONTRARY TO POPULAR PERCEPTION) WERE INTELLIGENT, ADEPT AT MAKING TOOLS AND WEAPONS AND WERE LONG ADAPTED TO THEIR ENVIRONMENTS. SO, ALICE ASKS, WHY DID ONLY HOMO SAPIENS SURVIVE? PART DETECTIVE STORY, PART TRAVELOGUE, AND DRAWING ON THE LATEST GENETIC AND ARCHAEOLOGICAL DISCOVERIES, ALICE EXAMINES HOW OUR ANCESTORS EVOLVED PHYSICALLY IN RESPONSE TO THESE CHALLENGES, FINDING OUT HOW OUR COLOUR, SHAPE, SIZE, DIET, DISEASE RESISTANCE AND EVEN ATHLETIC ABILITY HAVE BEEN SHAPED BY THE RANGE OF ENVIRONMENTS THAT OUR ANCESTORS HAD TO SURVIVE. SHE ALSO RELATES HOW ASTONISHINGLY CLOSELY RELATED WE ALL ARE. AS A LECTURER IN ANATOMY AT BRISTOL UNIVERSITY, ALICE ROBERTS IS EMINENTLY QUALIFIED TO WRITE THIS BOOK. AS A TALENTED ARTIST, SHE IS PERFECTLY QUALIFIED TO ILLUSTRATE IT, AND DOTTED THROUGHOUT THIS LIVELY BOOK ARE MANY OF THE SKETCHES AND PHOTOGRAPHS FROM HER TRAVELS.

**EVOLUTION** - DK 2011-08-15

HOW DID WE GET HERE? WHERE DID WE COME FROM? TRACE YOUR BIOLOGICAL ORIGINS AND COME FACE TO FACE WITH YOUR ANCIENT ANCESTORS THROUGH THIS UNRIVALED ILLUSTRATED GUIDE TO HUMAN EVOLUTION. TRAVELING BACK IN TIME ALMOST EIGHT MILLION YEARS, EVOLUTION CHARTS THE DEVELOPMENT OF OUR SPECIES, HOMO SAPIENS, FROM TREE-DWELLING PRIMATES TO MODERN HUMANS. THE BOOK INVESTIGATES EACH OF OUR ANCESTORS IN DETAIL AND IN CONTEXT, FROM THE ANATOMY OF THEIR BONES TO THE ENVIRONMENT THEY LIVED IN. DOUBLE-PAGE FEATURES ON KEY FOSSIL FINDS AS WELL AS MAPS DEPICTING MOVEMENT AND MIGRATION OFFER COMPREHENSIVE INSIGHT. THE BOOK HAS BEEN FULLY UPDATED TO INCLUDE THE LATEST DISCOVERIES AND RESEARCH - INCLUDING THE NEWLY DISCOVERED SPECIES HOMO NALEDI - AND PRESENTS THE LATEST THINKING ON SOME OF THE MOST CAPTIVATING QUESTIONS IN SCIENCE, SUCH AS WHETHER MODERN HUMANS AND NEANDERTHALS INTERACTED WITH EACH OTHER. EDITED BY CELEBRATED ANTHROPOLOGIST DR. ALICE ROBERTS AND ILLUSTRATED BY RENOWNED DUTCH PALEOARTISTS THE KENNIS BROTHERS, EVOLUTION PRESENTS THE STORY OF OUR SPECIES WITH EYE-POPPING VISUALS, UNIQUE RICHNESS, AND AUTHORITY.

**EVOLUTION OF NERVOUS SYSTEMS** - GEORG F. STRIEDTER 2016-11-23

EVOLUTION OF NERVOUS SYSTEMS, SECOND EDITION, FOUR VOLUME SET IS A UNIQUE, MAJOR REFERENCE WHICH OFFERS THE GOLD STANDARD FOR THOSE INTERESTED BOTH IN EVOLUTION AND NERVOUS SYSTEMS. ALL BIOLOGY ONLY MAKES SENSE WHEN SEEN IN THE LIGHT OF EVOLUTION, AND THIS IS ESPECIALLY TRUE FOR THE NERVOUS SYSTEM. ALL ANIMALS HAVE NERVOUS SYSTEMS THAT MEDIATE THEIR BEHAVIORS, MANY OF THEM SPECIES SPECIFIC, YET THESE NERVOUS SYSTEMS ALL EVOLVED FROM THE SIMPLE NERVOUS SYSTEM OF A COMMON ANCESTOR. TO UNDERSTAND THESE NERVOUS SYSTEMS, WE NEED TO KNOW HOW THEY VARY AND HOW THIS VARIATION EMERGED IN EVOLUTION. IN THE FIRST EDITION OF THIS IMPORTANT REFERENCE WORK, OVER 100 DISTINGUISHED NEUROSCIENTISTS ASSEMBLED THE CURRENT STATE-OF-THE-ART KNOWLEDGE ON HOW NERVOUS SYSTEMS HAVE EVOLVED THROUGHOUT THE ANIMAL KINGDOM. THIS SECOND EDITION REMAINS RICH IN DETAIL AND BROAD IN SCOPE, OUTLINING THE CHANGES IN BRAIN AND NERVOUS SYSTEM ORGANIZATION THAT OCCURRED FROM THE FIRST INVERTEBRATES AND VERTEBRATES, TO PRESENT DAY FISHES, REPTILES, BIRDS, MAMMALS, AND ESPECIALLY PRIMATES, INCLUDING HUMANS. THE BOOK ALSO INCLUDES WHOLLY NEW CONTENT, FULLY UPDATING THE CHAPTERS IN THE PREVIOUS EDITION AND OFFERING BRAND NEW CONTENT ON CURRENT DEVELOPMENTS IN THE FIELD. EACH OF THE VOLUMES HAS BEEN CAREFULLY RESTRUCTURED TO OFFER EXPANDED COVERAGE OF NON-MAMMALIAN TAXA, MAMMALS, PRIMATES, AND THE HUMAN NERVOUS SYSTEM. THE BASIC PRINCIPLES OF BRAIN EVOLUTION ARE DISCUSSED, AS ARE MECHANISMS OF CHANGE. THE READER CAN SELECT FROM CHAPTERS ON HIGHLY SPECIFIC TOPICS OR THOSE THAT PROVIDE AN OVERVIEW OF CURRENT THINKING AND APPROACHES, MAKING THIS AN INDISPENSABLE WORK FOR STUDENTS AND RESEARCHERS ALIKE. PRESENTS A BROAD RANGE OF TOPICS, RANGING FROM GENETIC CONTROL OF DEVELOPMENT IN INVERTEBRATES, TO HUMAN COGNITION, OFFERING A ONE-STOP RESOURCE FOR THE EVOLUTION OF NERVOUS SYSTEMS THROUGHOUT THE ANIMAL KINGDOM INCORPORATES THE EXPERTISE OF OVER 100 OUTSTANDING INVESTIGATORS WHO PROVIDE THEIR CONCLUSIONS IN THE CONTEXT OF THE LATEST EXPERIMENTAL RESULTS PRESENTS AREAS OF DISAGREEMENT AND CONSENSUS VIEWS THAT PROVIDE A HOLISTIC VIEW OF THE SUBJECTS UNDER DISCUSSION

**THE COMPLETE HUMAN BODY** - ALICE ROBERTS 2016-06-01

INTRICATE DETAILS OF ALL ASPECTS OF THE HUMAN BODY DOWN TO THE SMALLEST DETAIL - FROM OUR CELLS AND DNA, TO THE LARGEST BONE IN OUR BODIES, THE FEMUR. 3D GENERATED ILLUSTRATIONS AND MEDICAL IMAGING PROVIDE A CLOSE LOOK AT THE BODY'S FORMS AND FUNCTIONS IN PHYSIOLOGY AND ANATOMY, SHOWING HOW THE BODY WORKS AND ITS AMAZING SYSTEMS AND ABILITIES. TO UNDERSTAND OUR MODERN HUMAN BODIES, THIS BOOK FIRST LOOKS AT OUR ANCESTORS AND HOW THE EVOLUTION OF HOMO SAPIENS SHAPED OUR ANATOMY. THIS GAVE US THE ABILITY TO WALK TALL, CREATE LANGUAGE, AND MAKE TOOLS WITH OUR INCREDIBLY ADAPTED APPASABLE THUMBS. LEARN HOW WE CAN SEE EVOLUTION IN OUR DNA, AND THE FUNCTIONS OF DNA. READ ABOUT THE THINGS YOU CAN ONLY SEE WITH MICROSCOPES AND OTHER SPECIAL IMAGING MACHINES, LIKE CELL STRUCTURE, MOTOR PATHWAYS IN THE BRAIN, AND THE INNER IRIS. ALL THESE MANY PARTS WORK TOGETHER TO MAKE THE HUMAN BODY. THE PHYSIOLOGY OF OUR BODY IS WRITTEN IN CLARIFYING DETAIL. LEARN ABOUT THE ORGANS AND SYSTEMS THAT OPERATE WITHIN, SUCH AS THE CARDIOVASCULAR, DIGESTIVE, AND NEURAL SYSTEMS. SEE OUR ELEGANT ANATOMY AND READ HOW THE SKELETON, MUSCLES, AND LIGAMENTS OPERATE TO ALLOW MOVEMENT. THIS SECOND ADDITION HAS INCLUDED MORE DETAIL ON THE JOINTS IN THE HANDS AND FEET. THE COMPLETE HUMAN BODY TAKES YOU FROM INFANCY TO OLD AGE SHOWING HOW OUR BODY GROWS AND CHANGES, AND WHAT CAN GO WRONG. 2ND EDITION: ENHANCED AND UPDATED THIS VISUAL GUIDE USES REMARKABLE ILLUSTRATIONS AND DIAGRAMS TO LET YOU PEEK INSIDE OUR COMPLEX AND ASTOUNDING BODIES. IT HAS BEEN WRITTEN IN AN EASY-TO-FOLLOW FORMAT, WITH STRAIGHTFORWARD EXPLANATIONS TO GIVE YOU THE BEST

OVERVIEW OF THE MANY THINGS THAT MAKE US HUMAN. SUITABLE FOR YOUNG STUDENTS WHO WANT AN EXTRA RESOURCE FOR SCHOOL, PEOPLE WORKING IN MEDICAL FIELDS, OR FOR ANYONE WITH A KEEN INTEREST IN HUMAN BIOLOGY. INSIDE THE BODY OF THE BOOK: - THE INTEGRATED BODY - ANATOMY - HOW THE BODY WORKS - LIFE CYCLES - DISEASES AND DISORDERS

**THE COMPLETE HUMAN BODY, 2ND EDITION** - DR. ALICE ROBERTS 2016-06-07

INTRICATE DETAILS OF ALL ASPECTS OF THE HUMAN BODY DOWN TO THE SMALLEST DETAIL - FROM OUR CELLS AND DNA TO THE LARGEST BONE IN OUR BODIES, THE FEMUR. 3D GENERATED ILLUSTRATIONS AND MEDICAL IMAGING PROVIDE A CLOSE LOOK AT THE BODY'S FORMS AND FUNCTIONS IN PHYSIOLOGY AND ANATOMY, SHOWING HOW THE BODY WORKS AND ITS AMAZING SYSTEMS AND ABILITIES. TO UNDERSTAND OUR MODERN HUMAN BODIES, THIS BOOK FIRST LOOKS AT OUR ANCESTORS AND HOW THE EVOLUTION OF HOMO SAPIENS SHAPED OUR ANATOMY. THIS GAVE US THE ABILITY TO WALK TALL, CREATE LANGUAGE, AND MAKE TOOLS WITH OUR INCREDIBLY ADAPTED OPPOSABLE THUMBS. LEARN HOW WE CAN SEE EVOLUTION IN OUR DNA, AND THE FUNCTIONS OF DNA. READ ABOUT THE THINGS YOU CAN ONLY SEE WITH MICROSCOPES AND OTHER SPECIAL IMAGING MACHINES, LIKE CELL STRUCTURE, MOTOR PATHWAYS IN THE BRAIN, AND THE INNER IRIS. ALL THESE MANY PARTS WORK TOGETHER TO MAKE THE HUMAN BODY. THE PHYSIOLOGY OF OUR BODY IS WRITTEN IN CLARIFYING DETAIL. LEARN ABOUT THE ORGANS AND SYSTEMS THAT OPERATE WITHIN, LIKE THE CARDIOVASCULAR, DIGESTIVE, AND NEURAL SYSTEMS. SEE OUR ELEGANT ANATOMY AND READ HOW THE SKELETON, MUSCLES, AND LIGAMENTS OPERATE TO ALLOW MOVEMENT. THIS SECOND EDITION HAS INCLUDED MORE DETAIL ON THE JOINTS IN THE HANDS AND FEET. THE COMPLETE HUMAN BODY TAKES YOU FROM INFANCY TO OLD AGE SHOWING HOW OUR BODY GROWS AND CHANGES, AND WHAT CAN GO WRONG. 2ND EDITION: ENHANCED AND UPDATED THIS VISUAL GUIDE USES REMARKABLE ILLUSTRATIONS AND DIAGRAMS TO PEEK INSIDE OUR COMPLEX AND ASTOUNDING BODIES. IT HAS BEEN WRITTEN IN AN EASY-TO-FOLLOW FORMAT, WITH STRAIGHTFORWARD EXPLANATIONS TO GIVE YOU THE BEST OVERVIEW OF THE MANY THINGS THAT MAKE US HUMAN. SUITABLE FOR YOUNG STUDENTS WHO WANT AN EXTRA RESOURCE FOR SCHOOL, PEOPLE WORKING IN MEDICAL FIELDS, OR FOR ANYONE WITH A KEEN INTEREST IN HUMAN BIOLOGY. INSIDE THE BODY OF THE BOOK: • THE INTEGRATED BODY • ANATOMY • HOW THE BODY WORKS • LIFE CYCLES • DISEASES AND DISORDERS

**THE STORY OF PEOPLE** - CATHERINE BARR 2019-03-05

GET READ TO THROUGH TIME AS THE INCREDIBLE STORY OF HUMAN BEINGS UNFOLDS BEFORE OUR VERY EYES... WHEN DID THE FIRST HUMANS LIVE? HOW DID HUMANS SPREAD ALL OVER THE WORLD? HOW HAS SCIENCE AND TECHNOLOGY CHANGED THE WAY WE LIVE? AND WHAT WILL HAPPEN TO HUMANS IN THE FUTURE? THE TEAM BEHIND THE STORY OF SPACE AND THE STORY OF LIFE PRESENT A FIRST BOOK ABOUT THE HUMAN WORLD FOR VERY YOUNG CHILDREN, LOOKING AT HOW HUMANS EVOLVED AND THE HISTORY OF HUMANITY UP TO THE PRESENT DAY.

**THE ANCESTOR'S TALE** - RICHARD DAWKINS 2005

A RENOWNED BIOLOGIST PROVIDES A SWEEPING CHRONICLE OF MORE THAN FOUR BILLION YEARS OF LIFE ON EARTH, SHEDDING NEW LIGHT ON EVOLUTIONARY THEORY AND HISTORY, SEXUAL SELECTION, SPECIATION, EXTINCTION, AND GENETICS.

**BONES OF CONTENTION** - MARVIN L. LUBENOW 2004-10-01

SEEKING TO DISPROVE THE THEORY OF HUMAN EVOLUTION, THE AUTHOR EXAMINES THE FOSSILS OF THE SO-CALLED "APE MEN."

**EVOLUTION** - ALICE ROBERTS 2018-07-05

TRAVEL BACK IN TIME EIGHT MILLION YEARS TO EXPLORE THE ROOTS OF THE HUMAN FAMILY TREE. INTERWEAVING LATEST DISCOVERIES, MAPS, AND INCREDIBLE ILLUSTRATIONS, EVOLUTION TELLS THE STORY OF OUR ORIGINS AND HELPS US BETTER UNDERSTAND OUR SPECIES, FROM TREE-DWELLING PRIMATES TO MODERN 21ST-CENTURY HUMANS. RENOWNED DUTCH PALEOARTISTS THE KENNIS BROTHERS BRING OUR ANCESTORS TO LIFE WITH THEIR BEAUTIFUL, ACCURATE RECONSTRUCTIONS THAT VISUALLY TRACE EACH STEP IN OUR EVOLUTIONARY HISTORY. COMBINED WITH CLEAR PROSE, THIS COMPREHENSIVE YET ACCESSIBLE BOOK PROVIDES A RICH HISTORY OF EACH STAGE OF HUMAN EVOLUTION, FROM HUMAN ANATOMY AND BEHAVIOUR TO THE ENVIRONMENT WE LIVE IN. IT ALSO EXPLAINS HOW HOMO SAPIENS ORIGINATED, EVOLVED, AND THEN MIGRATED AND COLONIZED THE ENTIRE PLANET. WRITTEN AND AUTHENTICATED BY A TEAM OF EXPERTS AND WITH A FOREWORD BY DR ALICE ROBERTS, EVOLUTION IS A SWEEPING ACCOUNT OF HUMANS AND OUR PLACE IN IT. *THE NEW PSYCHOLOGY OF LOVE* - ROBERT J. STERNBERG 2018-12-06 THIS IS A MUCH-NEEDED UPDATE ON THE LATEST THEORY AND RESEARCH ON LOVE SUPPLIED BY LEADING SCIENTIFIC EXPERTS. IT IS SUITABLE FOR PSYCHOLOGISTS, NEUROSCIENTISTS, ANTHROPOLOGISTS, SOCIOLOGISTS, AND ANYONE WITH AN INTEREST IN LOVE AND WHAT HAS BEEN LEARNED FROM SCIENTIFIC STUDIES OF IT.

**NUCLEOSYNTHESIS AND CHEMICAL EVOLUTION OF GALAXIES** - BERNARD E. J. PAGEL 2009-01-15

THE DISTRIBUTION OF ELEMENTS IN THE COSMOS IS THE RESULT OF MANY PROCESSES, AND IT PROVIDES A POWERFUL TOOL TO STUDY THE BIG BANG, THE DENSITY OF BARYONIC MATTER, NUCLEOSYNTHESIS AND THE FORMATION AND EVOLUTION OF STARS AND GALAXIES.

COVERING MANY EXCITING TOPICS IN ASTROPHYSICS AND COSMOLOGY, THIS TEXTBOOK, BY A PIONEER OF THE FIELD, PROVIDES A LUCID AND WIDE-RANGING INTRODUCTION TO THE INTERDISCIPLINARY SUBJECT OF GALACTIC CHEMICAL EVOLUTION FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS. IT IS ALSO AN AUTHORITATIVE OVERVIEW FOR RESEARCHERS AND PROFESSIONAL SCIENTISTS. THIS NEW EDITION INCLUDES RESULTS FROM RECENT SPACE MISSIONS AND NEW MATERIAL ON ABUNDANCES FROM STELLAR POPULATIONS, NEBULAR ANALYSIS, AND METEORIC ISOTOPIC ANOMALIES, AND ABUNDANCE ANALYSIS OF X-RAY GAS. SIMPLE DERIVATIONS FOR KEY RESULTS ARE PROVIDED, TOGETHER WITH PROBLEMS AND HELPFUL SOLUTION HINTS, ENABLING THE STUDENT TO DEVELOP AN UNDERSTANDING OF RESULTS FROM NUMERICAL MODELS AND REAL OBSERVATIONS.

**AMAZING EVOLUTION** - ANNA CLAYBOURNE 2019-04-11

EVOLUTION CAN BE A DIFFICULT IDEA TO WRAP OUR BRAINS AROUND: IT DEALS WITH RANDOM, UNLIKELY EVENTS, COMBINED WITH VAST LENGTHS OF TIME TOO ENORMOUS TO COMPREHEND. BUT THE EVIDENCE IS ALL AROUND US - IN THE FOSSILS OF LONG-DEAD CREATURES, AND IN OUR GENES AND THE RELATIONSHIPS BETWEEN ALL LIVING BEINGS. AMAZING EVOLUTION SHINES A LIGHT ON THIS INCREDIBLE PROCESS, FROM THE BEGINNINGS OF LIFE AROUND 3.8 BILLION YEARS AGO, TO THE MILLIONS OF DIFFERENT SPECIES ALIVE TODAY, INCLUDING THE MOON-WALKING, TALKING APES WITH SUPER-POWERFUL BRAINS - HUMAN

BEINGS! FILLED WITH CLEAR EXPLANATIONS, BEAUTIFUL ILLUSTRATIONS AND FASCINATING FACTS ABOUT THE PLANET'S STRANGEST AND MOST SPECTACULAR CREATURES, AMAZING EVOLUTION WILL KEEP CHILDREN (AND ADULTS, TOO!) ENTHRALLED FOR HOURS. DELVE INTO THE PAGES AND LEARN WHAT MAKES A FISH A FISH, WHY GIRAFFES HAVE SUCH LONG NECKS AND HOW ALL LIVING THINGS, FROM CABBAGES TO TIGERS, ARE RELATED!

**THE HUMAN STORY** - CHARLES LOCKWOOD 2008

ANTHROPOLOGY PROFESSOR CHARLES LOCKWOOD TELLS THE AMAZING STORY OF HUMAN EVOLUTION IN A CONCISE AND COMPELLING INTRODUCTION TO ALL OUR ANCESTORS AND EXTINCT RELATIVES. HE DRAWS ON THE EXPLOSION OF DISCOVERIES MADE OVER THE PAST 20 YEARS TO DEMYSTIFY THE FASCINATING CAST OF CHARACTERS WHO HOLD THE SECRET TO OUR ORIGINS, AND DESCRIBES THE MAIN SITES, INDIVIDUAL FOSSILS, KEY SCIENTIFIC BREAKTHROUGHS, AND LATEST RESEARCH THAT HAVE FED OUR KNOWLEDGE. WITH THE HELP OF A RICH ASSORTMENT OF PHOTOGRAPHS, RECONSTRUCTIONS, AND MAPS, LOCKWOOD TAKES US FROM THE EARLIEST HOMININS, WHO DATE BACK SIX OR SEVEN MILLION YEARS AGO, TO CONTEMPORARY HOMO SAPIENS, PROVIDING THE BASIC FACTS ABOUT EACH SPECIES: WHAT IT LOOKED LIKE, WHAT IT ATE, HOW AND WHEN IT LIVES, AND HOW WE KNOW THIS INFORMATION. CREATED IN ASSOCIATION WITH LONDON'S NATURAL HISTORY MUSEUM, THIS IS A TRULY READABLE, UP-TO-DATE, WELL-ILLUSTRATED, AND USER-FRIENDLY SUMMARY OF THE EVIDENCE AS IT STANDS TODAY.

**EVOLUTION** - STEVE PARKER 2015

EVOLUTION: THE WHOLE STORY PROVIDES AN IN-DEPTH ACCOUNT OF EVOLUTION, ONE OF THE ULTIMATE KEYSTONE THEORIES IN MODERN SCIENCE. TEN EXPERTS SURVEY HOW EACH OF EARTH'S MAJOR GROUPS OF LIVING THINGS DIVERSIFIED AND EVOLVED THROUGH TIME. USING VISUAL FEATURES THAT MAKE THE STORY COMPREHENSIBLE, THE BOOK GIVES READERS, EVEN THOSE WITH NO PREVIOUS KNOWLEDGE OF THE TOPIC, A CLEAR UNDERSTANDING OF EVOLUTION AND HOW IT BROUGHT US TO THE PRESENT DAY.

**CATCHING FIRE** - RICHARD WRANGHAM 2010-08-06

IN THIS STUNNINGLY ORIGINAL BOOK, RICHARD WRANGHAM ARGUES THAT IT WAS COOKING THAT CAUSED THE EXTRAORDINARY TRANSFORMATION OF OUR ANCESTORS FROM APELIKE BEINGS TO HOMO ERECTUS. AT THE HEART OF CATCHING FIRE LIES AN EXPLOSIVE NEW IDEA: THE HABIT OF EATING COOKED RATHER THAN RAW FOOD PERMITTED THE DIGESTIVE TRACT TO SHRINK AND THE HUMAN BRAIN TO GROW, HELPED STRUCTURE HUMAN SOCIETY, AND CREATED THE MALE-FEMALE DIVISION OF LABOUR. AS OUR ANCESTORS ADAPTED TO USING FIRE, HUMANS EMERGED AS "THE COOKING APES". COVERING EVERYTHING FROM FOOD-LABELLING AND OVERWEIGHT PETS TO RAW-FOOD FADDISTS, CATCHING FIRE OFFERS A STARTLINGLY ORIGINAL ARGUMENT ABOUT HOW WE CAME TO BE THE SOCIAL, INTELLIGENT, AND SEXUAL SPECIES WE ARE TODAY. "THIS NOTION IS SURPRISING, FRESH AND, IN THE HANDS OF RICHARD WRANGHAM, UTTERLY PERSUASIVE ... BIG, NEW IDEAS DO NOT COME ALONG OFTEN IN EVOLUTION THESE DAYS, BUT THIS IS ONE." -MATT RIDLEY, AUTHOR OF GENOME

**A HISTORY OF HUMANITY** - PATRICK MANNING 2020-02-27

ANALYZES BOTH THE SOCIAL AND BIOLOGICAL EVOLUTION OF HUMANS, FROM THE SPOKEN LANGUAGE TO TODAY'S INSTITUTIONS.

**THE EMERGENCE OF LIFE** - PIER LUIGI LUISI 2006-07-13

THE ORIGIN OF LIFE FROM INANIMATE MATTER HAS BEEN THE FOCUS OF MUCH RESEARCH FOR DECADES, BOTH EXPERIMENTALLY AND PHILOSOPHICALLY. LUISI TAKES THE READER THROUGH THE CONSECUTIVE STAGES FROM PREBIOTIC CHEMISTRY TO SYNTHETIC BIOLOGY, UNIQUELY COMBINING BOTH APPROACHES. THIS BOOK PRESENTS A SYSTEMATIC COURSE DISCUSSING THE SUCCESSIVE STAGES OF SELF-ORGANISATION, EMERGENCE, SELF-REPLICATION, AUTOPOIESIS, SYNTHETIC COMPARTMENTS AND CONSTRUCTION OF CELLULAR MODELS, IN ORDER TO DEMONSTRATE THE SPONTANEOUS INCREASE IN COMPLEXITY FROM INANIMATE MATTER TO THE FIRST CELLULAR LIFE FORMS. A CHAPTER IS DEDICATED TO EACH OF THESE STEPS, USING A NUMBER OF SYNTHETIC AND BIOLOGICAL EXAMPLES. WITH END-OF-CHAPTER REVIEW QUESTIONS TO AID READER COMPREHENSION, THIS BOOK WILL APPEAL TO GRADUATE STUDENTS AND ACADEMICS RESEARCHING THE ORIGIN OF LIFE AND RELATED AREAS SUCH AS EVOLUTIONARY BIOLOGY, BIOCHEMISTRY, MOLECULAR BIOLOGY, BIOPHYSICS AND NATURAL SCIENCES.

**HUMAN EVOLUTION** - ROBIN IAN MACDONALD DUNBAR 2016

"THIS BOOK COVERS THE PSYCHOLOGICAL ASPECTS OF HUMAN EVOLUTION WITH A TABLE OF CONTENTS RANGING FROM PREHISTORIC TIMES TO MODERN DAYS. DUNBAR FOCUSES ON AN ASPECT OF EVOLUTION THAT HAS TYPICALLY BEEN OVERSHADOWED BY THE ARCHAEOLOGICAL RECORD: THE BIOLOGICAL, NEUROLOGICAL, AND GENETIC CHANGES THAT OCCURRED WITH EACH "TRANSITION" IN THE EVOLUTIONARY NARRATIVE"--

**WHY WE BELIEVE** - AGUSTIN FUENTES 2019-09-24

A WIDE-RANGING ARGUMENT BY A RENOWNED ANTHROPOLOGIST THAT THE CAPACITY TO BELIEVE IS WHAT MAKES US HUMAN WHY ARE SO MANY HUMANS RELIGIOUS? WHY DO WE DAYDREAM, IMAGINE, AND HOPE? PHILOSOPHERS, THEOLOGAINS, SOCIAL SCIENTISTS, AND HISTORIANS HAVE OFFERED EXPLANATIONS FOR CENTURIES, BUT THEIR ACCOUNTS OFTEN IGNORE OR EVEN AVOID HUMAN EVOLUTION. EVOLUTIONARY SCIENTISTS ANSWER WITH PROPOSALS FOR WHY RITUAL, RELIGION, AND FAITH MAKE SENSE AS ADAPTATIONS TO PAST CHALLENGES OR AS BY-PRODUCTS OF OUR HYPER-COMPLEX COGNITIVE CAPACITIES. BUT WHAT IF THE FOCUS ON RELIGION IS TOO NARROW? RENOWNED ANTHROPOLOGIST AGUSTIN FUENTES ARGUES THAT THE CAPACITY TO BE RELIGIOUS IS ACTUALLY A SMALL PART OF A LARGER AND DEEPER HUMAN CAPACITY TO BELIEVE. WHY BELIEVE IN RELIGION, ECONOMIES, LOVE? A FASCINATING INTERVENTION INTO SOME OF THE MOST COMMON MISCONCEPTIONS ABOUT HUMAN NATURE, THIS BOOK EMPLOYS EVOLUTIONARY, NEUROBIOLOGICAL, AND ANTHROPOLOGICAL EVIDENCE TO ARGUE THAT BELIEF—THE ABILITY TO COMMIT PASSIONATELY AND WHOLEHEARTEDLY TO AN IDEA—IS CENTRAL TO THE HUMAN WAY OF BEING IN THE WORLD.