

Sinhala Wal Katha Sinhala Wal Katha

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A Sinhalese-English Dictionary - Benjamin Clough 1892

Revolution in the U.S. Information Infrastructure - National Academy of Engineering 1995-06-09

While societies have always had information infrastructures, the power and reach of today's information technologies offer opportunities to transform work and family lives in an unprecedented fashion. This volume, a collection of six papers presented at the 1994 National Academy of Engineering Meeting Technical Session, presents a range of views on the subject of the revolution in the U.S. information infrastructure. The papers cover a variety of current issues including an overview of the technological developments driving the evolution of information infrastructures and where they will lead; the development of the Internet, particularly the government's role in its evolution; the impact of regulatory reform and antitrust enforcement on the telecommunications revolution; and perspectives from the computer, wireless, and satellite communications industries.

Eating Grass - Feroz Khan 2012-11-07

The history of Pakistan's nuclear program is the history of Pakistan. Fascinated with the new nuclear science, the young nation's leaders launched a nuclear energy program in 1956 and consciously interwove nuclear developments into the broader narrative of Pakistani nationalism. Then, impelled first by the 1965 and 1971 India-Pakistan Wars, and more urgently by India's first nuclear weapon test in 1974, Pakistani senior

officials tapped into the country's pool of young nuclear scientists and engineers and molded them into a motivated cadre committed to building the 'ultimate weapon.' The tenacity of this group and the central place of its mission in Pakistan's national identity allowed the program to outlast the perennial political crises of the next 20 years, culminating in the test of a nuclear device in 1998. Written by a 30-year professional in the Pakistani Army who played a senior role formulating and advocating Pakistan's security policy on nuclear and conventional arms control, this book tells the compelling story of how and why Pakistan's government, scientists, and military, persevered in the face of a wide array of obstacles to acquire nuclear weapons. It lays out the conditions that sparked the shift from a peaceful quest to acquire nuclear energy into a full-fledged weapons program, details how the nuclear program was organized, reveals the role played by outside powers in nuclear decisions, and explains how Pakistani scientists overcome the many technical hurdles they encountered. Thanks to General Khan's unique insider perspective, it unveils and unravels the fascinating and turbulent interplay of personalities and organizations that took place and reveals how international opposition to the program only made it an even more significant issue of national resolve. Listen to a podcast of a related presentation by Feroz Khan at the Stanford Center for International Security and Cooperation.

Gulf War and Health - Institute of

Medicine 2008-03-25

The sixth in a series of congressionally mandated reports on Gulf War veterans' health, this volume evaluates the health effects associated with stress. Since the launch of Operation Desert Storm in 1991, there has been growing concern about the physical and psychological health of Gulf War and other veterans. In the late 1990s, Congress responded by asking the National Academy of Sciences (NAS) to review and evaluate the scientific and medical literature regarding associations between illness and exposure to toxic agents, environmental or wartime hazards, and preventive medicines or vaccines in members of the armed forces who were exposed to such agents.

Deployment to a war zone has a profound impact on the lives of troops and on their family members. There are a plethora of stressors associated with deployment, including constant vigilance against unexpected attack, difficulty distinguishing enemy combatants from civilians, concerns about survival, caring for the badly injured, and witnessing the death of a person. Less traumatic but more pervasive stressors include anxiety about home life, such as loss of a job and income, impacts on relationships, and absence from family. The focus of this report, by the Institute of Medicine (IOM) Committee on Gulf War and Health: Physiologic, and Psychosocial Effects of Deployment-Related Stress, is the long-term effects of deployment-related stress. Gulf War and Health: Volume 6. Physiologic, and Psychosocial Effects of Development Related Stress evaluates the scientific literature regarding association between deployment-related stressors and health effects, and provides meaningful recommendations to remedy this problem.

A Cognitive Linguistics Account of Wordplay
- Konrad Żyśko 2017

Even though the ability to create witty puns seems to be an inherent skill of humankind, an apt explanation of their linguistic nature has evaded many academic descriptions. This monograph offers a novel conceptual perspective on the creation of meaning observable beneath the surface of wordplay.

The rationale for such an approach lies in the fact that language, and hence wordplay, is a cognitive phenomenon which involves some underlying complex mental processes, such as thinking in terms of image schemas, conceptual metaphor and metonymy, or blending, to mention just a few. The book provides a survey of relevant linguistic research, introduces the main tenets of cognitive linguistics, and offers an analysis of wordplay in the light of available cognitive literature. The final outcome of this work is an array of intricate mechanisms that govern creation and comprehension of wordplay. The book will be of interest to anybody who finds wordplay research appealing, no matter their level of expertise in the field.

Strength of Materials for Technicians - J

G Drotosky 2013-10-22

Strength of Materials for Technicians covers basic concepts and principles and theoretical explanations about strength of materials, together with a number of worked examples on the application of the different principles. The book discusses simple trusses, simple stress and strain, temperature, bending, and shear stresses, as well as thin-walled pressure vessels and thin rotating cylinders. The text also describes other stress and strain contributors such as torsion of circular shafts, close-coiled helical springs, shear force and bending moment, strain energy due to direct stresses, and second moment of area. Testing of materials by tests of tension, compression, shear, cold bend, hardness, impact, and stress concentration and fatigue is also tackled. Students taking courses in strength of materials and engineering and civil engineers will find the book invaluable.

In the Light of Evolution - National Academy of Sciences 2017-01-01

Biodiversity-the genetic variety of life-is an exuberant product of the evolutionary past, a vast human-supportive resource (aesthetic, intellectual, and material) of the present, and a rich legacy to cherish and preserve for the future. Two urgent challenges, and opportunities, for 21st-

century science are to gain deeper insights into the evolutionary processes that foster biotic diversity, and to translate that understanding into workable solutions for the regional and global crises that biodiversity currently faces. A grasp of evolutionary principles and processes is important in other societal arenas as well, such as education, medicine, sociology, and other applied fields including agriculture, pharmacology, and biotechnology. The ramifications of evolutionary thought also extend into learned realms traditionally reserved for philosophy and religion. The central goal of the In the Light of Evolution (ILE) series is to promote the evolutionary sciences through state-of-the-art colloquia in the series of Arthur M. Sackler colloquia sponsored by the National Academy of Sciences and their published proceedings. Each installment explores evolutionary perspectives on a particular biological topic that is scientifically intriguing but also has special relevance to contemporary societal issues or challenges. This tenth and final edition of the In the Light of Evolution series focuses on recent developments in phylogeographic research and their relevance to past accomplishments and future research directions.

Harley's Little Black Book (2015-) #3 - Amanda Conner 2016-04-20

The most ghost-filled mansion on Coney Island has been demolished and unfortunately, every one of its spirits has decided that Harley's hacienda is the hot new hangout to haunt! It sure is convenient, then, that Zatanna is currently booked at Big Tony's cabaret show! It's up to Harley and Zatanna to convince all of those ghosts to move on to the next world but if you think Harley's got problems now, just wait until you see the ectoplasmic baggage these specters are packing!

Birds of Sri Lanka - Deepal Warakagoda 2022-03-17

The definitive photographic guide to the amazing avifauna of Sri Lanka. The island of Sri Lanka is one of Southern Asia's most popular birding destinations, boasting a remarkably high number of endemic

species. The perfect companion for any wildlife-friendly visitor, *Birds of Sri Lanka* provides photographic coverage of more than 320 species that regularly occur in the region. Concise text for each species includes information on identification, songs and calls, behaviour, distribution and habitat, with each photo having been carefully selected to guide identification. A guide to the best birdwatching sites in Sri Lanka is also included. Portable yet authoritative, this is the perfect guide for travellers and birdwatchers visiting this spectacular and bird-rich destination.

Totto-Chan - Tetsuko Kuroyanagi 2012-03-23

This engaging series of childhood recollections tells about an ideal school in Tokyo during World War II that combined learning with fun, freedom, and love. This unusual school had old railroad cars for classrooms, and it was run by an extraordinary man--its founder and headmaster, Sosaku Kobayashi--who was a firm believer in freedom of expression and activity. In real life, the Totto-chan of the book has become one of Japan's most popular television personalities--Tetsuko Kuroyanagi. She attributes her success in life to this wonderful school and its headmaster. The charm of this account has won the hearts of millions of people of all ages and made this book a runaway bestseller in Japan, with sales hitting the 4.5 million mark in its first year.

Resident Duty Hours - Institute of Medicine 2009-04-27

Medical residents in hospitals are often required to be on duty for long hours. In 2003 the organization overseeing graduate medical education adopted common program requirements to restrict resident workweeks, including limits to an average of 80 hours over 4 weeks and the longest consecutive period of work to 30 hours in order to protect patients and residents from unsafe conditions resulting from excessive fatigue. *Resident Duty Hours* provides a timely examination of how those requirements were implemented and their impact on safety, education, and the

training institutions. An in-depth review of the evidence on sleep and human performance indicated a need to increase opportunities for sleep during residency training to prevent acute and chronic sleep deprivation and minimize the risk of fatigue-related errors. In addition to recommending opportunities for on-duty sleep during long duty periods and breaks for sleep of appropriate lengths between work periods, the committee also recommends enhancements of supervision, appropriate workload, and changes in the work environment to improve conditions for safety and learning. All residents, medical educators, those involved with academic training institutions, specialty societies, professional groups, and consumer/patient safety organizations will find this book useful to advocate for an improved culture of safety.

Recognition and Alleviation of Pain in Laboratory Animals - National Research Council 2010-01-14

The use of animals in research adheres to scientific and ethical principles that promote humane care and practice. Scientific advances in our understanding of animal physiology and behavior often require theories to be revised and standards of practice to be updated to improve laboratory animal welfare. *Recognition and Alleviation of Pain in Laboratory Animals*, the second of two reports revising the 1992 publication *Recognition and Alleviation of Pain and Distress in Laboratory Animals* from the Institute for Laboratory Animal Research (ILAR), focuses on pain experienced by animals used in research. This book aims to educate laboratory animal veterinarians; students, researchers and investigators; Institutional Animal Care and Use Committee members; and animal care staff and animal welfare officers on the current scientific and ethical issues associated with pain in laboratory animals. It evaluates pertinent scientific literature to generate practical and pragmatic guidelines for recognizing and alleviating pain in laboratory animals, focusing specifically on the following areas: physiology of pain in

commonly used laboratory species; pharmacologic and non-pharmacologic principles to control pain; identification of humane endpoints; and principles for minimizing pain associated with experimental procedures. Finally, the report identifies areas in which further scientific investigation is needed to improve laboratory animal welfare.

Archie: The Married Life - 10th Anniversary #4 - Michael Uslan 2019-11-20

The story that follows Archie's two possible futures—one where he's married to Veronica and another where he's married to Betty—presses on! Tragedy strikes Archie and Veronica's life together and leads the couple to confront some difficult questions while the political landscape of Riverdale is on the cusp of drastically changing. Meanwhile, Archie and Betty's marriage is less-than-perfect, but a once-in-a-lifetime music opportunity for Archie might lead to some huge changes!

Introduction to Maya Hieroglyphs - Harri Kettunen 2014-08-07

"The purpose of this handbook is to provide an introduction to the study of Maya hieroglyphs and is designed to be used in conjunction with Maya hieroglyphic workshops"--Page 4.

City of Darkness - Greg Girard 1993

A photographic record of Kowloon Walled City - a city within a city, now demolished and its 35,000 inhabitants rehoused. Containing interviews and commentary, the book tells the city's history, and how the self-sufficient community lived and worked in so little space in such apparent harmony.

Looking Out, Looking In - William Luis 2012

The poems included in this comprehensive anthology run the gamut of styles and themes, but all are by Latinos writing from the mid- twentieth century to the present. Some deal with issues specific to the Hispanic experience, such as displacement, identity and language. Others ponder universal concerns, such as love, family and humanity. In "Letter to Arturo," Mexican-American poet Lucha Corpi pens a song of

love to her son: "You've hardly left / and already I miss the light / caress of your hands / on my hair, / and your laughter and your tears, / and all your questions / about seas, / moons and deserts. / And all my poems / are tying themselves together / in my throat." More than 60 Latino poets are represented in this wide-ranging collection that focuses on poetry from the four largest groups in the United States: Mexican Americans, Cuban Americans, Puerto Ricans and Dominican Americans. Included are distinguished poets such as Julia Álvarez, Gloria Anzaldúa, Jimmy Santiago Baca, Martín Espada and Pedro Pietri, as well as less well-known writers who deserve more recognition. Whether writing about timeless issues or themes specific to their community, the poets in this volume craft a multilayered look at what it means to be Latino in the United States. Looking Out, Looking In is an indispensable and welcome addition to American and Latino literatures.

The Guru Chronicles - 2011

Anyone on the spiritual path knows it's rare that the illumined lives of yogis and gurus are laid before us. We have but a handful: Autobiography of a Yogi; Milarepa: Tibet's Great Yogi; Ramakrishna and His Disciples and a few of others. Now comes an amazing book, The Guru Chronicles, filled with the magical and highly mystical stories of Satguru Sivaya Subramuniyaswami, his Sri Lankan guru Siva Yogaswami and five preceding masters, who all held truth in the palm of their hand and inspired slumbering souls to "Know thy Self."

Recognition and Alleviation of Distress in Laboratory Animals - National Research Council 2008-04-10

Scientific advances in our understanding of animal physiology and behavior often require theories to be revised and standards of practice to be updated to improve laboratory animal welfare. This new book from the Institute for Laboratory Animal Research (ILAR) at the National Research Council, Recognition and Alleviation of Distress in Laboratory Animals, focuses on the stress and distress which is experienced by animals when used in laboratory

research. This book aims to educate laboratory animal veterinarians; students, researchers, and investigators; animal care staff, as well as animal welfare officers on the current scientific and ethical issues associated with stress and distress in laboratory animals. It evaluates pertinent scientific literature to generate practical and pragmatic guidelines. Recognition and Alleviation of Distress in Laboratory Animals focuses specifically on the scientific understanding of the causes and the functions of stress and distress, the transformation of stress to distress, and the identification of principles for the recognition and alleviation of distress. This book discusses the role of humane endpoints in situations of distress and principles for the minimization of distress in laboratory animals. It also identifies areas in which further scientific investigation is needed to improve laboratory animal welfare in order to adhere to scientific and ethical principles that promote humane care and practice.

Track Design Handbook for Light Rail Transit - 2012

TCRP report 155 provides guidelines and descriptions for the design of various common types of light rail transit (LRT) track. The track structure types include ballasted track, direct fixation ("ballastless") track, and embedded track. The report considers the characteristics and interfaces of vehicle wheels and rail, tracks and wheel gauges, rail sections, alignments, speeds, and track moduli. The report includes chapters on vehicles, alignment, track structures, track components, special track work, aerial structures/bridges, corrosion control, noise and vibration, signals, traction power, and the integration of LRT track into urban streets.

Condensed-Matter and Materials Physics - National Research Council 2008-01-21

The development of transistors, the integrated circuit, liquid-crystal displays, and even DVD players can be traced back to fundamental research pioneered in the field of condensed-matter and materials physics

(CMPP). The United States has been a leader in the field, but that status is now in jeopardy. Condensed-Matter and Materials Physics, part of the Physics 2010 decadal survey project, assesses the present state of the field in the United States, examines possible directions for the 21st century, offers a set of scientific challenges for American researchers to tackle, and makes recommendations for effective spending of federal funds. This book maintains that the field of CMPP is certain to be principle to both scientific and economic advances over the next decade and the lack of an achievable plan would leave the United States behind. This book's discussion of the intellectual and technological challenges of the coming decade centers around six grand challenges concerning energy demand, the physics of life, information technology, nanotechnology, complex phenomena, and behavior far from equilibrium. Policy makers, university administrators, industry research and development executives dependent upon developments in CMPP, and scientists working in the field will find this book of interest.

Essentials of English Language

Teaching - Julian Edge 1993-01-01

Part of a series designed for teachers and teacher trainees who wish to improve their classroom teaching. It provides practical suggestions for lessons and activities, adopting an integrated approach which examines teaching across the skills, rather than one skill at a time.

Diego Rivera - Francisco de la Mora 2021-10-26

Explores the passions and contradictions--both human and political--that turned the prolific and brilliant painter, Diego Rivera, into an increasingly universal cultural figure. Diego Rivera was a revolutionary painter in more ways than one. Attending art school at 11, by his twenties he was counted among the most influential figures of the Parisian art scene of the early 20th century, including Picasso, Modigliani, Braque, and Gris. Rivera's murals, both in his native Mexico and the United States, reflect the contradictory turbulence of his character

and times. He met Lenin in Paris, Stalin in Moscow, and offered refuge to Trotsky during his Mexican exile. Meanwhile, his work was commissioned by giants of capitalism: Henry Ford and John D. Rockefeller. Rivera's indefatigable industry was matched by his zest for life, accumulating hundreds of lovers and four wives--including Frida Kahlo, whose formidable partnership is also one of the great love stories of art history. This beautifully realized graphic novel tells the story of the extraordinary life and times of an artist for whom myth and reality fused. *Women's Buddhism, Buddhism's Women* - Ellison Banks Findly 2000-06-15

A diverse array of scholars, activists, and practitioners explores how women are bringing about the change in the forms, practices, and institutions of Buddhism. *The Healer* - Dani Collins 2017-08-01

Are they each other's downfall? Or salvation? Athadia is a Healer, possibly the last of her dwindling race. Vaun is the warrior who rescues her--then refuses to let her go. She knows by his first touch he is a Latent, a half-blood and potential mate, but he's also her mortal enemy. She needs to escape--hopefully with his unborn child in her womb. Athadia keeps Vaun's soldiers alive on their perilous journey back to Kerfdom, but once there, Vaun is ordered by his brother, the King, to kill her. Keeping her is viewed as treason, but she offers him a type of healing that has eluded him all his life. It can't be love, though. Athadia is forbidden to take a life mate. As conspiracies are revealed and war threatens, can they unite their people against a common foe? Or will she cause Vaun to be revealed as one of her own, ensuring they're both killed and all hope of a future lost?

Retooling for an Aging America -

Institute of Medicine 2008-09-27

As the first of the nation's 78 million baby boomers begin reaching age 65 in 2011, they will face a health care workforce that is too small and woefully unprepared to meet their specific health needs. Retooling for an Aging America calls for bold initiatives

starting immediately to train all health care providers in the basics of geriatric care and to prepare family members and other informal caregivers, who currently receive little or no training in how to tend to their aging loved ones. The book also recommends that Medicare, Medicaid, and other health plans pay higher rates to boost recruitment and retention of geriatric specialists and care aides. Educators and health professional groups can use *Retooling for an Aging America* to institute or increase formal education and training in geriatrics. Consumer groups can use the book to advocate for improving the care for older adults. Health care professional and occupational groups can use it to improve the quality of health care jobs.

The Queer Eye Guide: How to Love Yourself the Fab Five Way - Penguin Workshop
2020-05-26

This insightful and detailed guide will help middle schoolers and high schoolers survive adolescence . . . with style! Whether you're craving some advice on after-school snacks or what to wear to prom, looking for a bedroom make-over, or searching for ways to work what you've got to become your best self, get ready to celebrate all the things that make you you with a little help from *The Fab Five*!

Citizen of - Christian Hawkey 2007

"The Book of Funnels is one of the strangest and most beautiful first books of poetry I have read in a long time."--John Ashbery
Christian Hawkey constructs a visionary world rich with fantastic imagery. In blurring the line of reality versus imagination, this turbulent dreamscape calls into question the frightening and surprising nature of the actual world. Christian Hawkey's *The Book of Funnels* (Verse Press, 2004) received the Kate Tufts Discovery Award. Hawkey is co-founder of the international poetry journal *jubilat*, and he teaches at Pratt Institute.

A Review of the HHS Family Planning Program - Institute of Medicine 2009-08-07
A Review of the HHS Family Planning Program provides a broad evaluation of the Title X family planning program since its establishment in 1970. The program

successfully provides family planning services to its target audience of low-income individuals, but there is room for improvement. While the program's core goals are apparent, a secondary set of changing priorities has emerged without a clear, evidence-based strategic process. Also, funding for the program has increased in actual dollars, but has not kept pace with inflation or increased costs. Several aspects of the program's structure could be improved to increase the ability of Title X to meet the needs of its target population. At the same time, the extent to which the program meets those needs cannot be assessed without a greater capacity for long-term data collection. A Review of the HHS Family Planning Program recommends several specific steps to enhance the management and improve the quality of the program, as well as to demonstrate its direct contribution to important end results, such as reducing rates of unintended pregnancy, cervical cancer, and infertility. The book will guide the Office of Family Planning toward improving the effectiveness of the program. Other parties who will find the research and recommendations valuable include programs receiving Title X funding from the Office of Family Planning, policy makers, researchers, and professional organizations.

Sustaining Global Surveillance and Response to Emerging Zoonotic Diseases - National Research Council 2010-01-24
H1N1 ("swine flu"), SARS, mad cow disease, and HIV/AIDS are a few examples of zoonotic diseases--diseases transmitted between humans and animals. Zoonotic diseases are a growing concern given multiple factors: their often novel and unpredictable nature, their ability to emerge anywhere and spread rapidly around the globe, and their major economic toll on several disparate industries. Infectious disease surveillance systems are used to detect this threat to human and animal health. By systematically collecting data on the occurrence of infectious diseases in humans and animals, investigators can track the spread of disease and provide an early

warning to human and animal health officials, nationally and internationally, for follow-up and response. Unfortunately, and for many reasons, current disease surveillance has been ineffective or untimely in alerting officials to emerging zoonotic diseases. Sustaining Global Surveillance and Response to Emerging Zoonotic Diseases assesses some of the disease surveillance systems around the world, and recommends ways to improve early detection and response. The book presents solutions for improved coordination between human and animal health sectors, and among governments and international organizations. Parties seeking to improve the detection and response to zoonotic diseases-including U.S. government and international health policy makers, researchers, epidemiologists, human health clinicians, and veterinarians-can use this book to help curtail the threat zoonotic diseases pose to economies, societies, and health.

Ordinary Level Physics - A. F. Abbott
1977

Blood of the Coven - Paizo Publishing 2017
Discover the mysteries of witchcraft and natural magic inside Pathfinder Player Companion: Blood of the Coven. Whether you've tapped into the magic of the wilds or you're a changeling who's inherited the blood of hags, now's your chance to indulge in some of the Pathfinder world's most enigmatic mystical secrets. New curses, hexes, and patrons further explore the witching world, while hosts of new archetypes, spells, magic items, rituals, and stranger practices unleash a cauldron of supernatural potential. Unlock the power inside your character and make the might of the coven yours to command!

Adapting to the Impacts of Climate Change - National Research Council
2011-01-06

Across the United States, impacts of climate change are already evident. Heat waves have become more frequent and intense, cold extremes have become less frequent, and patterns of rainfall are likely changing.

The proportion of precipitation that falls as rain rather than snow has increased across the western United States and Arctic sea ice has been reduced significantly. Sea level has been rising faster than at any time in recent history, threatening the natural and built environments on the coasts. Even if emissions of greenhouse gases were substantially reduced now, climate change and its resulting impacts would continue for some time to come. To date, decisions related to the management and protection of the nation's people, resources, and infrastructure have been based on records in the recent past, when climate was relatively stable. Adapting to the Impacts of Climate Change, part of the congressionally requested America's Climate Choices suite of studies, calls for a new paradigm-one that considers a range of possible future climate conditions and impacts that may be well outside the realm of past experience. Adaptation requires actions from many decision makers in federal, state, tribal, and local governments; the private sector; non-governmental organizations; and community groups. However, current efforts are hampered by a lack of solid information about the benefits, costs, and effectiveness of various adaptation options; climate information on regional and local scales; and a lack of coordination. Adapting to the Impacts of Climate Change calls for a national adaptation strategy that provides needed technical and scientific resources, incentives to begin adaptation planning, guidance across jurisdictions, shared lessons learned, and support of scientific research to expand knowledge of impacts and adaptation.

Microbial Evolution and Co-Adaptation -
Institute of Medicine 2009-05-10

Dr. Joshua Lederberg - scientist, Nobel laureate, visionary thinker, and friend of the Forum on Microbial Threats - died on February 2, 2008. It was in his honor that the Institute of Medicine's Forum on Microbial Threats convened a public workshop on May 20-21, 2008, to examine Dr. Lederberg's scientific and policy contributions to the marketplace of ideas in

the life sciences, medicine, and public policy. The resulting workshop summary, *Microbial Evolution and Co-Adaptation*, demonstrates the extent to which conceptual and technological developments have, within a few short years, advanced our collective understanding of the microbiome, microbial genetics, microbial communities, and microbe-host-environment interactions.

Proceedings of a Workshop on Detering Cyberattacks - National Research Council 2010-10-30

In a world of increasing dependence on information technology, the prevention of cyberattacks on a nation's important computer and communications systems and networks is a problem that looms large. Given the demonstrated limitations of passive cybersecurity defense measures, it is natural to consider the possibility that deterrence might play a useful role in preventing cyberattacks against the United States and its vital interests. At the request of the Office of the Director of National Intelligence, the National Research Council undertook a two-phase project aimed to foster a broad, multidisciplinary examination of strategies for deterring cyberattacks on the United States and of the possible utility of these strategies for the U.S. government. The first phase produced a letter report providing basic information needed to understand the nature of the problem and to articulate important questions that can drive research regarding ways of more effectively preventing, discouraging, and inhibiting hostile activity against important U.S. information systems and networks. The second phase of the project entailed selecting appropriate experts to write papers on questions raised in the letter report. A number of experts, identified by the committee, were commissioned to write these papers under contract with the National Academy of Sciences.

Commissioned papers were discussed at a public workshop held June 10-11, 2010, in Washington, D.C., and authors revised their papers after the workshop. Although the authors were selected and the papers

reviewed and discussed by the committee, the individually authored papers do not reflect consensus views of the committee, and the reader should view these papers as offering points of departure that can stimulate further work on the topics discussed. The papers presented in this volume are published essentially as received from the authors, with some proofreading corrections made as limited time allowed.

Universal Artificial Intelligence - Marcus Hutter 2006-01-17

Personal motivation. The dream of creating artificial devices that reach or outperform human intelligence is an old one. It is also one of the dreams of my youth, which have never left me. What makes this challenge so interesting? A solution would have enormous implications on our society, and there are reasons to believe that the AI problem can be solved in my expected lifetime. So, it's worth sticking to it for a lifetime, even if it takes 30 years or so to reap the benefits. The AI problem. The science of artificial intelligence (AI) may be defined as the construction of intelligent systems and their analysis. A natural definition of a system is anything that has an input and an output stream. Intelligence is more complicated. It can have many faces like creativity, solving problems, pattern recognition, classification, learning, induction, deduction, building analogies, optimization, surviving in an environment, language processing, and knowledge. A formal definition incorporating every aspect of intelligence, however, seems difficult. Most, if not all known facets of intelligence can be formulated as goal driven or, more precisely, as maximizing some utility function. It is, therefore, sufficient to study goal-driven AI; e. g. the (biological) goal of animals and humans is to survive and spread. The goal of AI systems should be to be useful to humans.

Using the American Community Survey for the National Science Foundation's Science and Engineering Workforce Statistics Programs - National Research Council 2008-08-11

The National Science Foundation (NSF) has long collected information on the number and characteristics of individuals with education or employment in science and engineering and related fields in the United States. An important motivation for this effort is to fulfill a congressional mandate to monitor the status of women and minorities in the science and engineering workforce. Consequently, many statistics are calculated by race or ethnicity, gender, and disability status. For more than 25 years, NSF obtained a sample frame for identifying the target population for information it gathered from the list of respondents to the decennial census long-form who indicated that they had earned a bachelors or higher degree. The probability that an individual was sampled from this list was dependent on both demographic and employment characteristics. But, the source for the sample frame will no longer be available because the census long-form is being replaced as of the 2010 census with the continuous collection of detailed demographic and other information in the new American Community Survey (ACS). At the request of NSF's Science Resources Statistics Division, the Committee on National Statistics of the National Research Council formed a panel to conduct a workshop and study the issues involved in replacing the decennial census long-form sample with a sample from the ACS to serve as the frame for the information the NSF gathers. The workshop had the specific objective of identifying issues for the collection of field of degree information on the ACS with regard to goals, content, statistical methodology, data quality, and data products.

Amba yahaluwo - T. B. Ilangaratna 1959

History of Theravāda Buddhism in South-East Asia - Kanai Lal Hazra 1996

Illustrations: 1 Map Description: Theravada Buddhism exists in Ceylon (Sri Lanka), Burma, Siam (Thailand), Cambodia and in Laos. This form of Buddhism is the tie that binds Ceylon with all these countries of South-east Asia. The present book tries to

show that Ceylon had strong cultural links with her neighbours in South-east Asia. From the eleventh century onwards the Sihala Sangha and Sihala Buddhism constitute a strong and vitalising force in the religious history of South-east Asia, and the Buddhist countries in South-east Asia looked on Ceylon as the fountainhead of Theravada Buddhism. This book also deals with the introduction and development of Buddhism in India. The chief aim of this book is to examine carefully and to evaluate historically the evidence in the primary sources relating to the religious ties that existed along the Theravada countries. This book will no doubt be helpful to those interested in the study of Buddhism and Buddhist culture in India as well as in South and South-east Asia.

Romani Routes - Carol Silverman
2012-02-14

Now that the political and economic plight of European Roma and the popularity of their music are objects of international attention, *Romani Routes* provides a timely and insightful view into Romani communities both in their home countries and in the diaspora. Over the past two decades, a steady stream of recordings, videos, feature films, festivals, and concerts has presented the music of Balkan Gypsies, or Roma, to Western audiences, who have greeted them with exceptional enthusiasm. Yet, as author Carol Silverman notes, Roma are revered as musicians and reviled as people. In this book, Silverman introduces readers to the people and cultures who produce this music, offering a sensitive and incisive analysis of how Romani musicians address the challenges of discrimination. Focusing on southeastern Europe then moving to the diaspora, her book examines the music within Romani communities, the lives and careers of outstanding musicians, and the marketing of music in the electronic media and "world music" concert circuit. Silverman touches on the way that the Roma exemplify many qualities--adaptability, cultural hybridity, transnationalism--that are taken to characterize late modern experience. And rather than just celebrating

these qualities, she presents the musicians as complicated, pragmatic individuals who work creatively within the many constraints that inform their lives.

Challenges and Successes in Reducing Health Disparities - Institute of Medicine
2008-07-13

In early 2007, the Institute of Medicine convened the Roundtable on Health Disparities to increase the visibility of racial and ethnic health disparities as a national problem, to further the development of programs and strategies to reduce

disparities, to foster the emergence of leadership on this issue, and to track promising activities and developments in health care that could lead to dramatically reducing or eliminating disparities. The Roundtable's first workshop, Challenges and Successes in Reducing Health Disparities, was held in St. Louis, Missouri, on July 31, 2007, and examined (1) the importance of differences in life expectancy within the United States, (2) the reasons for those differences, and (3) the implications of this information for programs and policy makers.