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Organizations and Unusual Routines - Ronald E. Rice 2010-10-07

Everyone working in and with organizations will, from time to time, experience frustrations and problems when trying to accomplish tasks that are a required part of their role. This is an unusual routine - a recurrent interaction pattern in which someone encounters a problem when trying to accomplish normal activities by following standard organizational procedures and then becomes enmeshed in wasteful and even harmful subroutines while trying to resolve the initial problem. They are unusual because they are not intended or beneficial, and because they are generally pervasive but individually infrequent. They are routines because they become systematic as well as embedded in ordinary functions. Using a wide range of case studies and interdisciplinary research, this book provides researchers and practitioners with a new vocabulary for identifying, understanding, and dealing with this pervasive organizational phenomenon, in order to improve worker and customer satisfaction as well as organizational performance.

Corn: Its Origin, Evolution, and Improvement - Paul Christoph Mangelsdorf 1974

The modern corn plant; Theories on the origin of maize; Teosinte, the closest relative of maize; The genetic nature of teosinte; Thipsacum, a more distant relative of corn; Corn's old word relatives; Pod corn, the ancestral form; The nature of the pod-corn locus; Races of maize; The concept of lineages; The role of hybridization in corn's evolution; Mutations; Genetic drift and selection; Archaeological evidence of corn's evolution; Prehistoric wild corn and fossil pollen; Corn in prehistoric art; Corn's spread to the old world; The prehistoric and moderns improvement of maize; The nature of heterosis; Modern breeding techniques.

The Biochemistry of Plants - 2012-12-02

The Biochemistry of Plants, Volume 14: Carbohydrates provides information pertinent to the fundamental aspects of plant biochemistry. This book deals with the function and structure of the plant cell wall by describing the physical and chemical properties of cell wall components. Organized into 11 chapters, this volume begins with an overview of hexose phosphate metabolism in nonphotosynthetic tissues. This text then examines the findings in fructan structures, conformations, and linkages, the enzymes involved in fructan synthesis and degradation, and their cellular regulation, location, and metabolic role in plants. Other chapters consider the methods employing enzymes to determine starch structure. This book discusses as well the different biosynthetic modes of plant cell walls. The final chapter deals with the various environmental factors that influence expression of the α -amylase gene, suggesting how molecular biology may help in understanding carbohydrate biochemistry and the enzymes involved in carbohydrate synthesis and metabolism. This book is a valuable resource for plant biochemists.

Smart Energy Empowerment in Smart and Resilient Cities - Mustapha Hatti 2019-12-24

International Conference on Artificial Intelligence in Renewable Energetic Systems, IC-AIRES2019, 26-28 November 2019, Taghit-Bechar, Algeria. The challenges of the energy transition in the medium term lead to numerous technological breakthroughs in the areas of production, optimal distribution and the rational use of energy and renewable energy (energy efficiency and optimization of consumption, massive electrification, monitoring and control energy systems, cogeneration and energy recovery processes, new and renewable energies, etc.). The fall in the cost of renewable energies and the desire for a local control of energy production are today calling for a profound change in the electricity system. Local authorities are at the center of energy developments by taking into account the local nature of certain energy systems, heat networks, geothermal energy, waste heat recovery, and electricity generation from household waste. On

the other side, digital sciences are at the heart of connected objects and intelligent products that combine information processing and communication capabilities with their environment. Digital technology is at the center of new systems engineering approaches (3D modeling, virtualization, simulation, digital prototyping, etc.) for the design and development of intelligent systems. The book deals with various topics ranging from the design, development and maintenance of energy production systems, transport, distribution or storage of energy, optimization of energy efficiency, especially in the use of energy. innovation in the fields of energy production from renewable energies, management of energy networks: electricity, fluids, gas, district heating, energy storage modes: battery, super-capacitors , overseeing energy supply through supervision, control and diagnosis, risk management, as well as the design and management of smart grids: microgrid, smartgrid. This imposes the model of energy empowerment in the advent of smart cities. Empower the world's most vulnerable energy-poor citizens and establish growing and vibrant socioeconomic communities, by academics, students in engineering and data computing from around the world who have chosen an academic path leading to an electric power and energy engineering and artificial intelligence to advancing technology for the advantage of humanity.

Dimensional Psychopathology Massimo Biondi 2018-05-30

This book presents an innovative approach to clinical assessment in psychiatry based on a number of psychopathological dimensions with a presumed underlying pathophysiology, that are related to fundamental phenomenological aspects and lie on a continuum from normality to pathology. It is described how the evaluation of these dimensions with a specific, validated rapid assessment instrument could easily integrate and enrich the classical diagnostic DSM-5 or ICD-10 assessment. The supplemental use of this dimensional approach can better capture the complexity underlying current categories of mental illness. The findings from a large patient sample suggest how this assessment could give a first glance at how variable and multifaceted the psychopathological components within a single diagnostic category can be, and thereby optimise diagnosis and treatment choices. Being short and easy to complete, this dimensional assessment can be done in a busy clinical setting, during an ordinary psychiatric visit, and in an acute clinical context, with limited effort by a minimally trained clinician. Therefore, it provides interesting and useful information without additional costs, and allows research work to be performed even in difficult settings.

The Measure of Madness: - Cheryl Paradis 2010-07-01

Enter the "fascinating" and frightening world of modern forensic psychology as experienced by one of the most respected practitioners in the field today (Robert K. Tanenbaum, New York Times–bestselling author). At the heart of countless crimes lie the mysteries of the human mind. In this eye-opening book, Dr. Cheryl Paradis draws back the curtain on the fascinating world of forensic psychology, and revisits the most notorious and puzzling cases she has handled in her multifaceted career. Her riveting, sometimes shocking stories reveal the crucial and often surprising role forensic psychology plays in the pursuit of justice—in which the accused may truly believe their own bizarre lies, creating a world that pushes them into committing horrific, violent crimes. Join Dr. Paradis in a stark concrete cell with the indicted as she takes on the daunting task of mapping the suspect's madness or exposing it as fakery. Take a front-row seat in a tense, packed courtroom, where her testimony can determine an individual's fate—or if justice will be truly served. The criminal thought process has never been so intimately revealed—or so darkly compelling—as in

this "excellent and entertaining" journey into the darkest corners of the human mind (Booklist).

The Annenbergs - John E. Cooney 1982

The dual biography of Moses Louis Annenberg and his son, Walter, details their colorful, entrepreneurial lives and careers, from the father's racketeering fortune building and tax-evasion prosecution to the son's current publishing and political ventures

Pocket Genius: Cats - DK 2020-01-14

Find out about more than 70 cat breeds, including their origins and characteristics, in this pocket-sized encyclopedia. This cat-alogue packs a whole lot of information into your pocket! Along with a photo of each breed, discover the facts and stats of each cat, including its size, where the breed originated, colors and markings, and unusual features or behaviors. You'll soon be able to tell apart a Burmese from a Siamese; a rex from a sphynx and a manx; and an American shorthair from a British shorthair. You will also discover a lot about colors and patterns. Did you know that tabby cats and tortoiseshells are not breeds, but colors within breeds? Plus there are pages introducing cat anatomy and behavior; and the book finishes with fun facts. The style of the Pocket Eyewitness series is perfect for all children, from reluctant readers who can easily digest the key points through to budding vets and cat-lovers who want to know more about the best pets on the planet. Cats with facts: what more could anyone want?

Medical Anthropology - Andrea S. Wiley 2009

Intended as the primary text for introductory courses on medical anthropology, this book integrates human biological data relevant to health and disease with both evolutionary theory and the social environments that more often than not produce major challenges to health and survival. Because students who take this fastest-growing anthropology course come from a variety of disciplines (anthropology, biology, especially pre-med students, and health sciences, especially), the text does not assume anything beyond a basic high-school level familiarity with human biology and anthropology. The authors first present basic biological information on a particular health condition and then expand their analysis to include evolutionary, historical, and cross-cultural perspectives. Among the topics covered are nutrition, infectious disease, stress, reproductive health, behavioral disease, aging, race/racism and health, mental health, and healers and healing.

Instructor's Manual to Accompany Contemporary Canadian Business Law : Principles and Cases - John A. Willes 1982

Specialty Corns, Second Edition - Arnel R. Hallauer 2000-08-23

Completely revised and updated, the Second Edition of Specialty Corns includes everything in the first edition and more. Considered the standard in this field, significant changes have been made to keep all the information current and bring the references up-to-date. Two new chapters have been added to keep up with the latest trends: Blue Corn and Baby Corn. Access the latest methods in developing specialty corns with this standard-setting reference. Edited by an expert in the field who has spent his professional life working with corn, Specialty Corns, Second Edition discusses the genetic variation inherent in corn, genetic materials available, breeding methods, and special problems associated with the development of specialty corns. Hallauer has assembled a team of international experts who have contributed to this work.

Diccionario Para Ingenieros : Español-inglés E Inglés-español - Louis Adams Robb 1964

Als - Eliot H. Dunskey, M.d. 2016-11-04

Eliot H. Dunskey, MD, is a retired physician who since his diagnosis in 2009 has been living with ALS, the complex, progressively debilitating disorder commonly known as Lou Gehrig's disease. Determined to maintain the best quality of life possible-for as long as possible-he extensively researched the condition and its management. As he immersed himself, talking to ALS patients and exploring emerging assistive technologies and aids, he realized that misunderstanding of this complicated disease was rife, preventing many from making the most of the precious years left. The result is this compilation of not only his personal experiences as his own condition advanced but also current research and links to additional specialized resources. Its aim is to help other patients learn to live with their diagnosis and navigate the day-to-day struggles associated with it. Appropriate symptom management can help fend off the devastating effects of

the disease for a longer period of time. ALS: An Orientation offers a practical guide for patients and their families on maximizing quality of life through strategic care and, importantly, coping with the emotional toll the disease can take. A terminal diagnosis simply means savoring to the fullest the life that is still possible.

Development Through the Lifespan - Laura E. Berk 2013-08-05

Laura Berk's Development Through the Lifespan is relied upon in classrooms worldwide for its clear, engaging writing style, exceptional multicultural and cross-cultural focus, cutting-edge consideration of the interrelationships between heredity and environment, rich examples, and long-standing commitment to presenting the most up-to-date scholarship. This new edition continues to offer students research-based practical applications that they can relate to their personal and professional lives. Laura Berk, renowned professor and researcher, has revised the text with new pedagogy, a heightened emphasis on the interplay between heredity and environment, and an enhanced focus on many social policy issues, while emphasizing the lifespan perspective throughout. The latest theories and findings in the field are made accessible to students in a manageable and relevant way. Berk's signature storytelling style invites students to actively learn beside the text's "characters." Students are provided with an especially clear and coherent understanding of the sequence and underlying processes of human development, emphasizing the interrelatedness of all domains-physical, cognitive, emotional, social-throughout the text narrative and in special features. Berk also helps students connect their learning to their personal and professional areas of interest. Her voice comes through when speaking directly about issues students will face in their future pursuits as parents, educators, health care providers, social workers, and researchers. As members of a global and diverse human community, students are called to intelligently approach the responsibility of understanding and responding to the needs and concerns of both young and old. While carefully considering the complexities of human development, Berk presents classic and emerging theories in an especially clear, engaging writing style, with a multitude of research-based, real-world, cross-cultural, and multicultural examples. Strengthening the connections among developmental domains and of theory and research with applications, this edition's extensive revision brings forth the most recent scholarship, representing the changing field of human development. Visit the Preview Website to see sample chapters, get information on the supplements (including sample videos and on-line simulations), and much more, click here. 0205968988 / 9780205968985 Development Through the Lifespan Plus NEW MyDevelopmentLab with Pearson eText -- Access Card Package Package consists of: 0205909744 / 9780205909742 NEW MyDevelopmentLab with Pearson eText -- Valuepack Access Card -- for Laura E. Berk 0205957609 / 9780205957606 Development Through the Lifespan *Growing fruits and nut* United States. Department of Agriculture 1977

The Sunset Land - John Todd 1870

John Todd (1800-1873), a Congregationalist clergyman in Pittsfield, Massachusetts, wrote widely and published several religious magazines. The sunset land (1870) contains Todd's experiences as a visitor to California in the mid 1860s, with essays on the state's history, climate, agricultural products, and geology; gold mining; the Calaveras redwoods; and Yosemite Valley. He devotes a chapter to Mormonism and what he believes to be its inevitable decline; another, to the triumph of the transcontinental railroad; and a third, to the city of San Francisco.

.hack//AI buster Volume 1 - Tatsuya Hamazaki 2005-08-09

In the prequel to .hack, Albireo meets Lycoris in The World, an advanced online fantasy game, and soon realizes that she not only can break rules within The World, but that she holds a deadly secret.

Citizenship and Crisis - Detroit Arab American Study Group 2009-07-02

Is citizenship simply a legal status or does it describe a sense of belonging to a national community? For Arab Americans, these questions took on new urgency after 9/11, as the cultural prejudices that have often marginalized their community came to a head. Citizenship and Crisis reveals that, despite an ever-shifting definition of citizenship and the ease with which it can be questioned in times of national crisis, the Arab communities of metropolitan Detroit continue to thrive. A groundbreaking study of social life, religious practice, cultural values, and political views among Detroit Arabs after 9/11, Citizenship and Crisis argues that contemporary Arab American citizenship and identity have been shaped by the chronic tension

between social inclusion and exclusion that has been central to this population's experience in America. According to the landmark Detroit Arab American Study, which surveyed more than 1,000 Arab Americans and is the focus of this book, Arabs express pride in being American at rates higher than the general population. In nine wide-ranging essays, the authors of *Citizenship and Crisis* argue that the 9/11 backlash did not substantially transform the Arab community in Detroit, nor did it alter the identities that prevail there. The city's Arabs are now receiving more mainstream institutional, educational, and political support than ever before, but they remain a constituency defined as essentially foreign. The authors explore the role of religion in cultural integration and identity formation, showing that Arab Muslims feel more alienated from the mainstream than Arab Christians do. Arab Americans adhere more strongly to traditional values than do other Detroit residents, regardless of religion. Active participants in the religious and cultural life of the Arab American community attain higher levels of education and income, yet assimilation to the American mainstream remains important for achieving enduring social and political gains. The contradictions and dangers of being Arab and American are keenly felt in Detroit, but even when Arab Americans oppose U.S. policies, they express more confidence in U.S. institutions than do non-Arabs in the general population. The Arabs of greater Detroit, whether native-born, naturalized, or permanent residents, are part of a political and historical landscape that limits how, when, and to what extent they can call themselves American. When analyzed against this complex backdrop, the results of The Detroit Arab American Study demonstrate that the pervasive notion in American society that Arabs are not like "us" is simply inaccurate. *Citizenship and Crisis* makes a rigorous and impassioned argument for putting to rest this exhausted cultural and political stereotype.

Remarks Upon a Late Discourse of Free-thinking [i.e. Anthony Collins] in a Letter to F.H.[Are] D.D. - Richard Bentley 1716

Catfantastic - Andre Norton 1997-02

This volume of original stories is all for furry feline friends. A unique collection of fantastical cat tales.

Corn - Sergio O. Serna-Saldivar 2018-11

Corn: Chemistry and Technology, Third Edition, provides a broad perspective on corn from expert agronomists, food scientists and geneticists. This encyclopedic storehouse of comprehensive information on all aspects of the world's largest crop (in metric tons) includes extensive coverage of recent development in genetic modification for the generation of new hybrids and genotypes. New chapters highlight the importance of corn as a raw material for the production of fuel bioethanol and the emerging topic of phytochemicals or nutraceutical compounds associated to different types of corns and their effect on human health, especially in the prevention of chronic diseases and cancer. Written by international experts on corn, and edited by a highly respected academics, this new edition will remain the industry standard on the topic. Presents new chapters that deal with specialty corns, the production of first generation bioethanol, and the important relationship of corn phytochemicals or nutraceuticals with human health Provides contributions from a new editor and a number of new contributors who bring a fresh take on this highly successful volume Includes vastly increased content relating to recent developments in genetic modification for the generation of new hybrids and genotypes Contains encyclopedic coverage of grain chemistry and nutritional quality of this extensively farmed product Covers the production and handling of corn, with both food and non-food applications

Twelve Years a Slave Solomon Northup 2021-01-01

"Having been born a freeman, and for more than thirty years enjoyed the blessings of liberty in a free State—and having at the end of that time been kidnapped and sold into Slavery, where I remained, until happily rescued in the month of January, 1853, after a bondage of twelve years—it has been suggested that an account of my life and fortunes would not be uninteresting to the public." -an excerpt

Empty - K. M. Walton 2013-01-01

A girl tumbles into a downward spiral when a romantic encounter turns violent in this heartwrenching novel from the author of *Cracked*. Dell is used to disappointment. Ever since her dad left, it's been one let down after another. But no one—not even her best friend—understands all the pain she's going through. So Dell hides behind self-deprecating jokes and forced smiles. Then the one person she trusts betrays her. Dell

is beyond devastated. Without anyone to turn to for comfort, her depression and self-loathing spin out of control. But just how far will she go to make all the heartbreak and the name-calling stop?

Eight Little Piggies: Reflections in Natural History - Stephen Jay Gould 2010-11-29

"There is no scientist today whose books I look forward to reading with greater anticipation of enjoyment and enlightenment than Stephen Jay Gould."—Martin Gardner Among scientists who write, no one illuminates as well as Stephen Jay Gould doesthe wonderful workings of the natural world. Now in a new volume of collected essays—his sixth since *Ever Since Darwin*—Gould speaks of the importance of unbroken connections within our own lives and to our ancestralgenerations. Along with way, he opens to us the mysteries of fish tails, frog calls, and other matters, and shows once and for all why we must take notice when a seemingly insignificant creature is threatened, like the land snail *Partula* from Moorea, whose extinction he movingly relates.

PHILOSOPHY - BROOKE N.;BRUDER MOORE (KENNETH.) 2017

Riven - Jerry B. Jenkins 2008

When Brady Wayne Darby, a condemned man whose life is marked by death, guilt, and despair, meets Thomas Carey, a weary man of God, he learns about the prospects of rebirth, forgiveness, and hope.

Honeyball & Bowers' Textbook on Employment Law Simon Honeyball 2016

Honeyball and Bowers' Textbook on Employment Law is an approach to employment law with strong critical analysis whilst placing it in its wider contexts, in a concise and user-friendly format. Fully updated to take into account the recent significant developments in this area, including the Equality Act 2010, the key topics on most employment law courses are addressed in detail. An extremely clear writing style allows this text to remain accessible and student-focussed, while providing detailed explanations and analysis of the law. The text also includes diagrams and chapter summaries throughout to aid student understanding, while further reading suggestions assist with essaypreparation and research. Setting employment law in context, this book considers both industrial and collective issues as well as examining the increasing role of the EU in UK employment law. A separate chapter on human rights also enables students to understand the role human rights legislation plays in the development of employment law. This book also contains cross referencing to *Painter & Holmes' Cases & Materials on Employment Law*, ensuring that these two texts continue to complement one another and provide the perfect combination of textbook analysis and the most up-to-date cases and materials. This text is accompanied by a free Online Resource Centre (www.oxfordtextbooks.co.uk/orc/honeyball12e/) which contains updates to the law and useful weblinks.

MathLinks 7 - Glen Holmes 2007

Dentists Mary Meinking 2020-08

Open wide! Dentists care for people's teeth. Give readers the inside scoop on what it's like to be a dentist. Readers will learn what dentists do, the tools they use, and how people get this exciting job.

Disciple I-IV Abingdon Press 2005-05

DISCIPLE IV UNDER THE TREE OF LIFE is the final study in the four-phase *DISCIPLE* program and is prepared for those who have completed *BECOMING DISCIPLES THROUGH BIBLE STUDY*. The study concentrates on the Writings (Old Testament books not in the Torah or the Prophets), the Gospel of John, and Revelation. Emphasis on the Psalms as Israel's hymnbook and prayer book leads natural to an emphasis on worship in the study. Present through the entire study is the sense of living toward completion - toward the climax of the message and the promise, extravagantly pictured in Revelation. The image of the tree and the color gold emphasize the prod and promise in the Scriptures for *DISCIPLE IV: UNDER THE TREE OF LIFE*. The word under in the title is meant to convey invitation, welcome, sheltering, security, and rest - home at last. Commitment and Time Involved 32 week study Three and one-half to four hours of independent study each week (40 minutes daily for leaders and 30 minutes daily for group members) in preparation for weekly group meetings. Attendance at weekly 2.5 hour meetings. DVD Set Four of the five videos in this set contain video segments of approximately ten minutes each that serve as the starting point for discussion in weekly study sessions. The fifth video is the unique component that guides an interactive worship experience of the book of Revelation. Under the Tree of Life Scriptures lend themselves to videos

with spoken word, art, dance, music, and drama. Set decorations differs from segment to segment depending on the related Scripture and its time period. Set decoration for video segments related to the Writings generally has a Persian theme. Set decoration for the New Testament video segments emphasizes the simpler life of New Testament times.

Who's Who in Plastics Polymers - James P. Harrington 2000-05-09

This is the first edition of a unique new plastics industry resource: Who's Who in Plastics & Polymers. It is the only biographical directory of its kind and includes contact, affiliation and background information on more than 3300 individuals who are active leaders in this industry and related organizations. The biographical directory is i

Stuck in Paris-Nikki Khanna 2020-09

Riley Blakely and the remainder of Grandview High's french class is heading out on a school trip to Paris. The three weeks in Paris are supposed to be an 'educational opportunity' for this lot. But of course, these hormonal teenagers just cannot abide by the rules. The one rule set by their lovely Mr. Walker: You cannot room with somebody of the opposite gender. So what does this french class do? Room with the opposite gender, with a funny way of picking roommates. Chit picking. Because hormonal teenagers can just never get enough. Insert Asher West. Her not so secret annoying hater. It's a hate-hate relationship. He's the guy who picked Riley's name. He's the most popular guy in the freaking school and Riley? Not so much. Put the two together and you'll get a whole lot of arguments and awkward moments. They're roommates and they're stuck in Paris, the city of love and the city of lights

Fire Drake - Nick Kyme 2010-10-26

The Salamanders attempt a daring rescue mission deep in Dark Eldar territory in order to reveal more secrets held within the Tome of Fire. When Chaplain Elysus of the Salamanders is taken captive by Dark Eldar, he faces a fight for survival at the hands of these cruel aliens. The Firedrakes of 1st Company attempt a daring rescue mission, but much more is at stake than the Chaplain's life. He holds the key to secrets buried beneath Mount Deathfire, secrets that could reveal the damnation - or salvation - of their home world.

South Park Annual 2014 - Pedigree Books 2013-09-17

Never Date Your Ex - Jules Barnard 2014-11-17

She's the one woman I'd give anything to forget--and now I'm stuck living with her. I'm making a fresh start in Lake Tahoe, until my stubborn sister decides to move Mira into our cabin. I'll be damned if I move out on Mira's account. Nothing has changed in the years since I last saw Mira. Her tempting body and smart mouth taunt me daily. The only hope I have at keeping my sanity is the knowledge that Mira is hiding something. Sooner or later I'll discover her secret, and knowing her, it'll be damning. But first, I have to ignore the urge to kiss and touch and make Mira mine again. --EXCERPT-- I grab her waist, guiding her back against the shelves. She kisses my cheekbone, nibbles my earlobe. "We can't do this here." That nibble shoots straight to my groin. "I beg to differ. I think we can manage." Once the walls come down, emotions run hot. Grab *Never Date Your Ex*, a sexy, second-chance romance! Keywords: second chance romance, New Adult, second chances, enemies to lovers, suspense, first love, feel-good, casino romance, men of lake tahoe, romantic comedy, rom-com, steamy romance, second-chance romance, new adult romance, enemies-to-lovers, vacation read, beach read, workplace romance, alpha hero, high school crush, unrequited love

We Are What We Eat - Donna R. Gabaccia 2009-06-30

We Are What We Eat follows the fortunes of dozens of enterprising immigrant cooks and grocers, street hawkers and restaurateurs who have cultivated and changed the tastes of native-born Americans from the seventeenth century to the present. The book draws a surprisingly peaceful picture of American ethnic relations, in which "Americanized" foods like Spaghetti-Os happily coexist with painstakingly pure ethnic dishes and creative hybrids

Alone - Cyn Balog 2017-11-07

This must-read for lovers of Stephen King's *The Shining* will leave readers breathless as Seda and her family find themselves at the mercy of a murderer in an isolated and snowbound hotel. Get ready for what Kirkus calls "A bloody, wonderfully creepy scare ride." When her mom inherits an old, crumbling mansion,

Seda's almost excited to spend the summer there. The grounds are beautiful and it's fun to explore the sprawling house with its creepy rooms and secret passages. Except now her mom wants to renovate, rather than sell the estate—which means they're not going back to the city...or Seda's friends and school. As the days grow shorter, Seda is filled with dread. They're about to be cut off from the outside world, and she's not sure she can handle the solitude or the darkness it brings out in her. Then a group of teens get stranded near the mansion during a blizzard. Seda has no choice but to offer them shelter, even though she knows danger lurks in the dilapidated mansion—and in herself. And as the snow continues to fall, what Seda fears most is about to become her reality...

THE KALEVALA or Land of Heroes - New Improved Edition Anon E Mouse 2010-03

THE following translation was undertaken from a desire to lay before the English-speaking people the full treasury of epical beauty, folklore, and mythology comprised in *The Kalevala* (the Land of Heroes, the national epic of the Finns.) The Kalevala describes Finnish nature very minutely and very beautifully. Grimm says that no poem is to be compared with it in this respect. A deeper and more esoteric meaning of the Kalevala, however, points to a contest between Light and Darkness. The numerous myths of the poem are likewise full of significance and beauty, and the Kalevala should be read between the lines, in order that the full meaning of this great epic may be comprehended. The whole poem is replete with the most fascinating folk-lore about the mysteries of nature, the origin of things, the enigmas of human tears, and, true to the character of a national epic, it represents not only the poetry, but the entire wisdom and accumulated experience of a nation. One of the most notable characteristics of the Finnish mythology is the interdependence among the gods. The Finnish deities, like the ancient gods of Italy and Greece, are generally represented in pairs. They have their individual abodes and are surrounded by their respective families. The Sun and the Moon each have a consort, and sons and daughters. Only two sons of Paeivae appear in *The Kalevala*, one comes to aid of Wainamoinen in his efforts to destroy the mystic Fire-fish, by throwing from the heavens to the girdle of the hero, a "magic knife, silver-edged, and golden-handled;" the other son, Panu, the Fire-child, brings back to Kalevala the fire that had been stolen by Louhi, the wicked hostess of Pohyola. 10% of the net profit from the sale of this book will be donated to charities.

Quantitative Genetics in Maize Breeding - Arnel R. Hallauer 2010-09-28

Maize is used in an endless list of products that are directly or indirectly related to human nutrition and food security. Maize is grown in producer farms, farmers depend on genetically improved cultivars, and maize breeders develop improved maize cultivars for farmers. Nikolai I. Vavilov defined plant breeding as plant evolution directed by man. Among crops, maize is one of the most successful examples for breeder-directed evolution. Maize is a cross-pollinated species with unique and separate male and female organs allowing techniques from both self and cross-pollinated crops to be utilized. As a consequence, a diverse set of breeding methods can be utilized for the development of various maize cultivar types for all economic conditions (e.g., improved populations, inbred lines, and their hybrids for different types of markets). Maize breeding is the science of maize cultivar development. Public investment in maize breeding from 1865 to 1996 was \$3 billion (Crosbie et al., 2004) and the return on investment was \$260 billion as a consequence of applied maize breeding, even without full understanding of the genetic basis of heterosis. The principles of quantitative genetics have been successfully applied by maize breeders worldwide to adapt and improve germplasm sources of cultivars for very simple traits (e.g. maize flowering) and very complex ones (e.g., grain yield). For instance, genomic efforts have isolated early-maturing genes and QTL for potential MAS but very simple and low cost phenotypic efforts have caused significant and fast genetic progress across genotypes moving elite tropical and late temperate maize northward with minimal investment. Quantitative genetics has allowed the integration of pre-breeding with cultivar development by characterizing populations genetically, adapting them to places never thought of (e.g., tropical to short-seasons), improving them by all sorts of intra- and inter-population recurrent selection methods, extracting lines with more probability of success, and exploiting inbreeding and heterosis. Quantitative genetics in maize breeding has improved the odds of developing outstanding maize cultivars from genetically broad based improved populations such as B73. The inbred-hybrid concept in maize was a public sector invention 100 years ago and it is still considered one of the greatest achievements in plant breeding. Maize hybrids grown by farmers today are still produced following this methodology and there is still no limit to genetic

improvement when most genes are targeted in the breeding process. Heterotic effects are unique for each hybrid and exotic genetic materials (e.g., tropical, early maturing) carry useful alleles for complex traits not present in the B73 genome just sequenced while increasing the genetic diversity of U.S. hybrids. Breeding programs based on classical quantitative genetics and selection methods will be the basis for proving theoretical approaches on breeding plans based on molecular markers. Mating designs still offer large sample sizes when compared to QTL approaches and there is still a need to successful integration of these methods. There is a need to increase the genetic diversity of maize hybrids available in the market (e.g., there is a need to increase the number of early maturing testers in the northern U.S.). Public programs can still develop new and genetically diverse products not available in industry. However, public U.S. maize breeding programs have either been discontinued or are eroding because of decreasing state and federal funding toward basic science. Future significant genetic gains in maize are dependent on the incorporation of useful and unique genetic diversity not available in industry (e.g., NDSU EarlyGEM lines). The integration of pre-breeding methods with cultivar development should enhance future breeding efforts to maintain active public breeding programs not only adapting and improving genetically broad-based germplasm but also developing unique products and training the next generation of maize breeders producing research dissertations directly linked to breeding programs. This is especially important in areas where commercial hybrids are not locally bred. More than ever public and private institutions are encouraged to cooperate in order to share breeding rights, research goals, winter nurseries, managed stress environments, and latest technology for the benefit of producing the best possible hybrids for farmers with the least cost. We have the opportunity to link both classical and modern technology for the benefit of breeding in close cooperation with industry without the need for investing in academic labs and time (e.g., industry labs take a week vs months/years in academic labs for the same work). This volume, as part of the Handbook of Plant Breeding series, aims to increase awareness of the relative value and impact of maize breeding for food, feed, and fuel security. Without breeding programs continuously developing improved germplasm, no technology can develop improved cultivars. Quantitative Genetics in Maize Breeding presents principles and data that can be applied to maximize genetic improvement of germplasm

and develop superior genotypes in different crops. The topics included should be of interest of graduate students and breeders conducting research not only on breeding and selection methods but also developing pure lines and hybrid cultivars in crop species. This volume is a unique and permanent contribution to breeders, geneticists, students, policy makers, and land-grant institutions still promoting quality research in applied plant breeding as opposed to promoting grant monies and indirect costs at any short-term cost. The book is dedicated to those who envision the development of the next generation of cultivars with less need of water and inputs, with better nutrition; and with higher percentages of exotic germplasm as well as those that pursue independent research goals before searching for funding. Scientists are encouraged to use all possible breeding methodologies available (e.g., transgenics, classical breeding, MAS, and all possible combinations could be used with specific sound long and short-term goals on mind) once germplasm is chosen making wise decisions with proven and scientifically sound technologies for assisting current breeding efforts depending on the particular trait under selection. Arnel R. Hallauer is C. F. Curtiss Distinguished Professor in Agriculture (Emeritus) at Iowa State University (ISU). Dr. Hallauer has led maize-breeding research for mid-season maturity at ISU since 1958. His work has had a worldwide impact on plant-breeding programs, industry, and students and was named a member of the National Academy of Sciences. Hallauer is a native of Kansas, USA. José B. Miranda Filho is full-professor in the Department of Genetics, Escola Superior de Agricultura Luiz de Queiroz - University of São Paulo located at Piracicaba, Brazil. His research interests have emphasized development of quantitative genetic theory and its application to maize breeding. Miranda Filho is native of Pirassununga, São Paulo, Brazil. M.J. Carena is professor of plant sciences at North Dakota State University (NDSU). Dr. Carena has led maize-breeding research for short-season maturity at NDSU since 1999. This program is currently one the of the few public U.S. programs left integrating pre-breeding with cultivar development and training in applied maize breeding. He teaches Quantitative Genetics and Crop Breeding Techniques at NDSU. Carena is a native of Buenos Aires, Argentina. <http://www.ag.ndsu.nodak.edu/plantsci/faculty/Carena.htm>

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An illustrated guide to some of the most classic cocktails.