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Underwater Optics Dec 20 2022 The irradiance pattern was measured for the propagation of a collimated beam of light underwater. A neodymium-doubled green laser was transmitted horizontally at a six foot depth in Lake Winnepesaukee, N.H. The irradiance was measured at distances from 0 to 100 feet and for off-axis angles from 0 to 58 degrees. The water had an attenuation length of 4.54 ft/ln and an absorption coefficient of 0.0446 ln/ft. The ratio of attenuation coefficient to absorption coefficient was 4.94. The fractional power contained within a cone of various angles was computed. At 20 attenuation lengths only 10% of the total power is contained within a cone of 4 degrees whereas at 4 attenuation lengths this same cone contains 50% of the power. (Author).

Achtung-Panzer! Jun 14 2022 This is one of the most significant military books of the twentieth century. By an outstanding soldier of independent mind, it pushed forward the evolution of land warfare and was directly responsible for German armoured supremacy in the early years of the Second World War. Published in 1937, the result of 15 years of careful study since his days on the German General Staff in the First World War, Guderian's book argued, quite clearly, how vital the proper use of tanks and supporting armoured vehicles would be in the conduct of a future war. When that war came, just two years later, he proved it, leading his Panzers with distinction in the Polish, French and Russian campaigns. Panzer warfare had come of age, exactly as he had forecast. This first English translation of Heinz Guderian's classic book - used as a textbook by Panzer officers in the war - has an introduction and extensive background notes by the modern English historian Paul Harris.

Nudibranch Behavior Aug 04 2021 Nudibranchs are among the most beautiful creatures on the reef, with colors and shapes that dazzle and delight. Unlike fish that may disappear before our eyes in a flash, the showy nudibranchs glide slowly along the substrate, allowing us the time to savor this extraordinary sight. With their shell-less unprotected, bodies how do they survive in seas filled with hungry mouths? How do these sightless creatures navigate the reefs to find food and mates? What and how do they eat? How do they reproduce? What special relationships have they developed with other reef inhabitants? These and many more questions are answered in this informative and lavishly illustrated book. You will never look at a nudibranch the same way again.

Diving Cozumel Jan 21 2023 This new edition covers the best dive sites as well as the top attractions on land.

Four Thirds and Micro Four Thirds Sep 24 2020 The Four Thirds system is an innovative, open standard for digital SLR cameras that is designed to optimize their size, performance, compatibility and extendibility. This guide gives information on the pros and cons of this pioneering system. It includes reviews of popular Four Thirds and Micro Four Thirds cameras.

UAV Photogrammetry and Remote Sensing Jul 15 2022 The concept of remote sensing as a way of capturing information from an object without making contact with it has, until recently, been exclusively focused on the use of Earth observation satellites. The emergence of unmanned aerial vehicles (UAV) with Global Navigation Satellite System (GNSS) controlled navigation and sensor-carrying capabilities has increased the number of publications related to new remote sensing from much closer distances. Previous knowledge about the behavior of the Earth's surface under the incidence different wavelengths of energy has been successfully applied to a large amount of data recorded from UAVs, thereby increasing the spatial and temporal resolution of the products obtained. More specifically, the ability of UAVs to be positioned in the air at pre-programmed coordinate points; to track flight paths; and in any case, to record the coordinates of the sensor position at the time of the shot and at the pitch, yaw, and roll angles have opened an interesting field of applications for low-altitude aerial photogrammetry, known as UAV photogrammetry. In addition, photogrammetric data processing has been improved thanks to the combination of new algorithms, e.g., structure from motion (SfM), which solves the collinearity equations without the need for any control point, producing a cloud of points referenced to an arbitrary coordinate system and a full camera calibration, and the multi-view stereopsis (MVS) algorithm, which applies an expanding procedure of sparse set of matched keypoints in order to obtain a dense point cloud. The set of technical advances described above allows for geometric modeling of terrain surfaces with high accuracy, minimizing the need for topographic campaigns for georeferencing of such products. This Special Issue aims to compile some applications realized thanks to the synergies established between new remote sensing from close distances and UAV photogrammetry.

Remote Sensing of Plant Biodiversity Sep 05 2021 This Open Access volume aims to methodologically improve our understanding of biodiversity by linking disciplines that incorporate remote sensing, and uniting data and perspectives in the fields of biology, landscape ecology, and geography. The book provides a framework for how biodiversity can be detected and evaluated—focusing particularly on plants—using proximal and remotely sensed hyperspectral data and other tools such as LiDAR. The volume, whose chapters bring together a large cross-section of the biodiversity community engaged in these methods, attempts to establish a common language across disciplines for understanding and implementing remote sensing of biodiversity across scales. The first part of the book offers a potential basis for remote detection of biodiversity. An overview of the nature of biodiversity is described, along with ways for determining traits of plant biodiversity through spectral analyses across spatial scales and linking spectral data to the tree of life. The second part details what can be detected spectrally and remotely. Specific instrumentation and technologies are described, as well as the technical challenges of detection and data synthesis, collection and processing. The third part discusses spatial resolution and integration across scales and ends with a vision for developing a global biodiversity monitoring system. Topics include spectral and functional variation across habitats and biomes, biodiversity variables for global scale assessment, and the prospects and pitfalls in remote sensing of biodiversity at the global scale.

This is Papua New Guinea Dec 08 2021

A Stargazing Program for Beginners Oct 18 2022 Sets out a simple month-by-month program to reveal all of the night sky's biggest and most beautiful secrets in just one year – and with only a few hours of stargazing each month By investing just an hour a week and \$50 in binoculars, it's possible to learn a few simple techniques and quickly gain a real insight into the night sky's ever-changing patterns – and what they tell us about Earth, the seasons and ourselves. Searching more for a learned appreciation of nature and our exact place within the cosmos than academic scientific knowledge, science and travel writer Jamie Carter takes the reader on a 12 month tour of the night sky's incredible annual rhythms that say so much about Earth. During the journey he learns about the celestial mechanics at work in the skies above that are – to the beginner – almost beyond belief. As well as the vital constellations and clusters, and the weird and wonderful nebulas, he searches out “dark sky destinations” across the globe that help increase knowledge and give a new perspective on familiar night sky sights. On the journey he witnesses a solar eclipse and grapples with star-charts, binoculars, smartphone apps, telescopes, spots satellites and attempts basic astro-photography. By year's end, the reader will be able to glance at the night sky from anywhere on the planet and tell what direction he or she is facing, what time it is, where all the planets are and even where the Galactic Center Point is.

The Great Lakes Diving Guide Jul 03 2021 What lies beneath the fresh, cold waters of the Great Lakes? The best preserved shipwrecks in the world! Learn about more than 1,000 shipwrecks: their histories, their sinkings, and their locations.

Caffè Lena May 01 2021 In 1960, burgeoning actress and defiant dreamer Lena Spencer opened a small, grassroots coffeehouse in the quaint upstate New York town of Saratoga Springs. Within her then-husband's plan to start the Caffè as a means for the couple to artistically flourish while "making enough money to retire in Europe" lay the seed of a more impactful cultural contribution that would change music history forever. It was a time in America when a coffeehouse could be something more—a focal point for a different sort of people, radical new ideas, and notably, emerging artists. Caffè Lena's humble stage regularly welcomed musicians such as a young Bob Dylan in 1961, the singer/activist Bernice Johnson Reagon in 1962, and a pre-"American Pie" Don McLean in 1965. Quickly, Caffè Lena took its place among the nation's foremost incubators of an American folk movement that inspired a generation of musicians, artists, and thinkers and a country in need of a new vision of equality, freedom, and understanding. Fortunately for posterity, camera shutters were often snapping in time to the music, and so an intimate visual record of Caffè Lena's early years exists. Now, thanks to years of dedicated digging by the Caffè Lena History Project—to unearth Lena's secret memoirs, collaborating with photographers to identify and rescue mysterious negatives, and collecting stories from the original artists to highlight these materials—the time has come to share this treasure trove of authentic and rare Americana with the world. Caffè Lena: Inside America's Legendary Folk Music Coffeehouse brings more than 200 never before seen, evocative images and stories to the public. Early 1960s photographs of Bob Dylan and Pete Seeger and modern-day images of Rufus Wainwright and Patty Larkin blend with rare memorabilia and an oral history derived from more than 100 original interviews of artists who have graced Caffè Lena's stage over the decades, including Ani DiFranco, Utah Phillips, Dave Van Ronk, Spalding Gray, and other luminaries of the folk, blues, jazz, and theater worlds. This exclusive time capsule chronicling the heyday of Caffè Lena—now the country's oldest continuously operational folk music coffeehouse—provides an insightful look at the many artists whose poetic lyrics cast a mesmerizing spell over a generation, and who remain beloved today. Alongside the release of Caffè Lena: Inside America's Legendary Folk Music Coffeehouse, San Francisco's Tompkins Square label will release the 3-CD box set, 'Live at Caffè Lena: Music From America's Legendary Coffeehouse, 1967-2013' on September 24, 2013. "Caffè Lena holds an important place in the folk and traditional music communities. For me it was the gateway to so many things I hold dear about music." -Scott Goldman, The GRAMMY Foundation "The story of Caffè Lena is the secret history of the folk-music scene. Lena was a pioneering woman in a man's world and her story needs to be told." -Holly George-Warren, The Road to Woodstock "Lena Spencer was a rare person with a shining spirit who created a small world of her own. The magic of her Caffè cannot be analyzed, computerized, or explained." -David Amram, Musician

BHB Companion Jan 29 2021 Photo ID book of Marine life found at the Blue Heron Bridge, Riviera Beach, Florida

Indo-Pacific Nudibranchs and Sea Slugs Nov 26 2020

Pediatrics: Beyond the Basics May 13 2022 Pediatrics refers to the area of medicine involved with the care and treatment of infants, children and adolescents. Pediatric endocrinology, pediatric pathology, pediatric neurosurgery and pediatric gastroenterology are some of the important sub-specialties of pediatrics. Pediatric endocrinology studies the disorders related to the endocrine glands, which are responsible for the physical growth and sexual development in childhood. The branch of study dealing with the neoplastic and non-neoplastic diseases of children is called pediatric pathology. Pediatric neurosurgery is a sub-field of pediatrics which deals with the surgical processes related to the nervous system, spinal cord and brain in children. Pediatric gastroenterology deals with the illnesses related to the gastrointestinal tract, liver and pancreas in children and adolescents. This book outlines the processes and applications of pediatrics in detail. It includes some of the vital pieces of work being conducted across the world, on various topics related to pediatrics. As this field is emerging at a rapid pace, the contents of this book will help the readers understand the modern concepts and applications of the subject.

What I Learned May 21 2020 During his time at the University of Pittsburgh, Joshua M. Patton studied and wrote nonfiction, fiction, and poetry. This is a collection of his best work from that time period. The first part of the book is literary fiction, short stories. Some have an inter-connected narrative, others stand alone. There are stories that play with the ideas of what stories even are. There are first-hand essays that feel like make-believe, and make-believe that seems as if it really happened. There are media analyses and histories from Rolling Stone to Fox News, including a story about Peggy Hull the first female war correspondent that history has mostly forgotten. This is a book like no other, and captures a snapshot in time of not just its subjects but of the author himself.

Extracts from the Diary and Letters of Mrs. Mary Cobb Feb 22 2023

Digital Legacy Jun 21 2020 Do you know what will happen to your digital "stuff" when you die?No? Rest assured, you are not alone. This increasingly important but relatively unknown subject involves what happens to all of your accounts, social media, emails, photos, and documents and how you will be remembered in your online afterlife.This book will let you take control of your online afterlife and ensure that your important digital assets are treated according to your wishes. Given that the average person spends close to seven hours per day online it's a must-read for everyone.Death: of course it's not an easy subject for any of us. Indeed, there are few subjects more difficult to discuss or imagine than death. It's like we'd rather talk about anything else than the one universal experience we all share. But it's now one that also needs to be addressed in the digital age. Digital Legacy: Take Control Of Your Online Afterlife provides both the context of how we got here but also the right guidance to move forward with your planning today. Authored by two tech executives (also former Googlers) and founders of the digital-legacy platform GoodTrust -- Daniel Sieberg and Rikard Steiber, CEO and founder of GoodTrust -- the book outlines the pitfalls, challenges and opportunities that are important for all of us to tackle.

Digital Infrared Photography Oct 06 2021 Let your motto become "What would happen if. . . ?" Infrared light offers photographers another artistic avenue to explore. You don't need years of experience or expensive equipment. Just grab an IR filter or a converted digital camera, and you're ready to enter the fascinating world of infrared photography. The unique effects you can create with IR photography are limited only by your imagination. In these pages, you'll discover the practical information about file formats and composition as well as plenty of creative inspiration. Discover whether your camera can detect infrared light and compare different IR filters Learn how to see in IR and master IR composition Play with effects — extended exposures, shooting through

glass, zooming, and painting with light Explore HDR and Photomerge options Open more creative possibilities with Photoshop

101 Trik Memilih Peralatan DSLR Apr 24 2023 ""Ada banyak sekali pertimbangan dalam memilih DSLR, baik body maupun lensa. Mengapa? Karena ada banyak spesifikasi teknis yang membedakan satu DSLR dengan DSLR lainnya. Padahal jika dilihat dari segi bentuk, nyaris tidak bisa dibedakan mana DSLR yang canggih, kelas menengah, dan untuk pemula. Inilah yang menyebabkan Anda harus memperhitungkan dengan cermat berbagai faktor teknis tadi ketika ingin membeli DSLR. Namun jangan khawatir. Buku ini mengupas tip dan trik memilih DSLR, baik dari segi kode teknis maupun teknologi-teknologi yang ada di dalam DSLR itu. Pembahasan buku ini menyeluruh dari DSLR hingga mirrorless, pemilihan lensa hingga lens mount. Selain mengupas aspek teknis, buku ini juga dilengkapi dengan glosari atau daftar istilah teknis yang akan Anda jumpai selama bermain-main dengan DSLR. Walaupun sepele, namun pengetahuan tentang istilah fotografi sebenarnya sangat wajib diketahui karena istilah itu seringkali menentukan perbedaan fitur antara satu DSLR dengan DSLR lainnya. Buku ini disajikan dalam format tip dan trik sehingga tidak sulit memahami berbagai teori yang disajikan di dalam buku ini. Tujuan buku ini adalah untuk mencegah investasi yang salah dan berlebihan. Dengan mengetahui seluk beluk DSLR, Anda akan memiliki gambaran tentang dunia DSLR sehingga ketika memilih pun, Anda bisa menentukan pilihan sesuai dengan dana, kebutuhan, dan teknologi kamera yang ada di dalamnya. Selamat membaca! ""

IPad for Digital Photographers Jul 27 2023 Provides information on the camera and photography functions of an iPad, covering such topics as adding pictures to an iPad, editing photographs, transferring photographs to a computer or the cloud, and shooting and editing movies.

Ultimate Exakta Repair - a CLA and New Curtains for Your Camera Aug 16 2022 A complete and thorough DIY repair manual for Exakta VX and VXIIa cameras. The step-by-step instructions combined with excellent photograph allow a high rate of success. Much of the information specific to these models has never been published!

Photographing Buildings Aug 24 2020 Aimed at both amateurs and professionals, this dazzling guide includes a fantastic selection of work by some of the world's best photographers of architecture and shows how to achieve their same dramatic results. 145 illustrations, 120 in color.

Caribbean Sea Slugs Oct 26 2020

Leica Dec 28 2020

A Field Guide to Blackwater Diving in Hawaii Mar 23 2023 The world's greatest migration of animal life occurs every evening when uncountable numbers of mostly small marine organisms rise up from the dark, chilly depths of the open ocean to its surface waters. The people who witness this nighttime migration are blackwater divers—"brave divers who throw themselves off a boat in the dark of night in open ocean waters that are, for all practical purposes, bottomless. The animals that we encounter range in size from baby squids smaller than a pinky nail to forty-foot long jellyfish called siphonophores. Kona is the birthplace and world headquarters for blackwater diving. Its proximity to deep water and favorable ocean conditions make Hawai'i the perfect place for blackwater diving, but divers can also visit places such as Florida, the Philippines, Indonesia, and even Papua New Guinea to see many similar animals. Blackwater Diving in Hawai'i is designed to satisfy the curious ocean aficionado by presenting beautiful photos and information on over 300 strange pelagic animals, most of which you won't find in a standard field guide to reef animals. This book is intended to present an overview of life in the open ocean at night. Each epipelagic creature is given five minutes in the spotlight to explore a little of what we know about them.

The Friedman Archives Guide to Sony's Alpha 6500 (B&W Edition) Jun 02 2021 The Sony Alpha 6500 camera builds upon the company's best-selling Alpha 6000, and adds a significant amount of new features. Professional photographer Gary Friedman explains the myriad of features in an approachable and easy-to-understand way, explaining not only the "what" but also the "why" and in what situations you'd want to use which feature. In this 657-page book you will learn: * What every mode, button and function does - in plain, easy-to-understand language. * Gary's personal camera configuration * Unique features of the A6500, including why you'll never know just how distorted your kit lens is.: -) * Shooting in 4K and how to choose the best mode for YOU. * NFC, Wi-Fi, and step-by-step instructions on using them. * Which of the new downloadable "apps" are actually useful. * A tutorial to get the benefits of shooting RAW, and a condensed guide to the basics. * A set of "Cliffs Notes" cards Instantly-downloadable .pdf file also available from the author's website.

It's Not About the F-Stop Mar 11 2022 Jay Maisel has been hailed as one of the most brilliant and gifted photographers of all time. But he is also much more than that—he is a mentor, teacher, and trailblazer to many photographers, and a hero to those who feel Jay's teaching has changed the way they see and create their own photography. He is a living legend whose work is studied around the world, and whose teaching style and presentation garner standing ovations and critical acclaim every time he takes the stage. In his first educational book, *Light, Gesture, and Color*, Jay put his amazing insights and learning moments from a lifetime behind the lens into a book that communicated the three most important aspects of street photography: light, gesture, and color. Here, in *It's Not About the F-Stop*, Jay builds on that success to take you beyond the buttons and dials on your camera to continue to teach you how to "see" like a photographer, and how to capture the world around you in a way that delights, intrigues, and challenges the viewer. Each page unveils something new and inspires you to rethink everything you know about the bigger picture of photography. This isn't a book about f-stops or ISOs. It's about seeing. And nobody communicates this, visually or through the written word, like Jay Maisel.

Photographer's Guide to the Panasonic Lumix LX100 May 25 2023 With the release of this guide book for the Panasonic Lumix DMC-LX100 camera, White Knight Press has provided users with a complete guide to all operations of this advanced compact camera. Using a tutorial-like approach, the book provides guidance to beginning and intermediate photographers about how to accomplish things with the LX100, with tips about when and why to use the camera's many controls, menu options, and other features. The book provides details about the camera's controls for autofocus, manual focus, aperture, shutter speed, exposure compensation, white balance, and ISO sensitivity, as well as many other settings. The book also provides details about the camera's numerous options for playback, setup, and customizing the operation of the various buttons and other controls. The book contains more than 350 photographs, almost all in full color, illustrating the LX100's controls, display screens, and menus. The images also provide examples of the photographs that can be taken using the many creative settings of the camera, including the Photo Style settings, which let the photographer alter the color processing as well as contrast, sharpness and noise reduction for images; the Intelligent Auto shooting mode, with scene detection optimized for various subjects, including landscapes, portraits, and sunsets; the Filter button picture effects, which provide the ability to customize the appearance of images in dramatic ways; and the camera's strong array of features for continuous shooting and shooting in high-contrast lighting conditions. The book also includes a full discussion of the video recording abilities of the LX100, which offers manual control of exposure and focus during movie recording, and which provides ultra-high definition 4K recording of motion pictures. In three appendices, the book provides information about accessories for the LX100, including cases, external flash units, and other items, and includes a list of web sites and other resources for further information. The book includes an appendix with helpful Quick Tips that explain how to take advantage of the camera's features in the most efficient ways possible.

The History of Photography, from 1839 to the Present Day Jul 23 2020

David Busch's Canon PowerShot G1 X Jan 09 2022 This guide shows you how, when, and why to use all the cool features, controls, and functions of the PowerShot G1 X to take great photographs. It covers the basics of shooting completely—from setup to metering, lighting, and exposure.

Canon EOS Rebel T7/2000D For Dummies Apr 12 2022 A photography class—in a book! Your Canon EOS Rebel T7/1400D provides enough camera power to take the pro-style shots you've dreamed of shooting—and this book shows you how. Canon EOS Rebel T7/1400D For Dummies bridges the gap between taking quick shots in auto mode and taking charge of the settings that offer full control of your pictures' focus, color, and light balance. Take a peek inside to discover all the expert tips and tricks to take brag-worthy portraits, action shots, and close-ups—in a flash. No matter your subject, you'll get all the know-how and instruction you need to get the picture-perfect shot every time. Get started with automatic and creative modes Take full control of exposure to achieve better results Understand the settings that control light and color Follow steps on properly using flash Even if you've never picked up a DSLR camera, this friendly guide makes it fast and easy to unlock all your powerful Canon has to offer!

Red Sea Diving Guide Mar 31 2021

In Camera: How to Get Perfect Pictures Straight Out of the Camera Jun 26 2023 With amazing low-light capabilities, incredible definition, intelligent autofocus and a host of other features, digital cameras have now become so powerful that they have left their users behind. Most photographers can take competent shots in a range of conditions, or fix imperfect exposures in Photoshop or Lightroom, but very few have the skill to push their cameras to the limit and capture the perfect shot, under all conditions, with no post-processing required. In Camera is the perfect way to take your photography to that level; to master your camera, understand light, exposure and composition, and make amazing photographs, whatever your camera, without cheating after the event. One hundred of Gordon's beautiful photos are given with his own expert commentary; full settings and camera details are included, and a host of tips and tricks let photographers of any level learn something from every example. The shots are taken with a wide range of cameras, and the emphasis is on getting results by improving your own skills, not wasting money on expensive equipment.

In Camera: How to Get Perfect Pictures Straight Out of the Camera Aug 28 2023 With amazing low-light capabilities, incredible definition, intelligent autofocus and a host of other features, digital cameras have now become so powerful that they have left their users behind. Most photographers can take competent shots in a range of conditions, or fix imperfect exposures in Photoshop or Lightroom, but very few have the skill to push their cameras to the limit and capture the perfect shot, under all conditions, with no post-processing required. In Camera is the perfect way to take your photography to that level; to master your camera, understand light, exposure and composition, and make amazing photographs, whatever your camera, without cheating after the event. One hundred of Gordon's beautiful photos are given with his own expert commentary; full settings and camera details are included, and a host of tips and tricks let photographers of any level learn something from every example. The shots are taken with a wide range of cameras, and the emphasis is on getting results by improving your own skills, not wasting money on expensive equipment.

Each Wild Idea Nov 19 2022 Essays on photography and the medium's history and evolving identity. In *Each Wild Idea*, Geoffrey Batchen explores a wide range of photographic subjects, from the timing of the medium's invention to the various implications of cyberculture. Along the way, he reflects on contemporary art photography, the role of the vernacular in photography's history, and the Australianness of Australian photography. The essays all focus on a consideration of specific photographs—from a humble combination of baby photos and bronzed booties to a masterwork by Alfred Stieglitz. Although Batchen views each photograph within the context of broader social and political forces, he also engages its own distinctive formal attributes. In short, he sees photography as something that is simultaneously material and cultural. In an effort to evoke the lived experience of history, he frequently relies on sheer description as the mode of analysis, insisting that we look right at—rather than beyond—the photograph being discussed. A constant theme throughout the book is the question of photography's past, present, and future identity.

The Secret Life of English-Medium Instruction in Higher Education Nov 07 2021 This volume explores the inner-workings of English-medium instruction (EMI) in higher education (HE) at two universities. After an introductory chapter that sets the scene and provides an essential background, there are four empirically based chapters that draw on data collected from a range of sources at two universities in Catalonia. This includes interviews, audio/video recordings of classes, audio logs produced by both lecturers and students, policy documents, students' written work, and student presentation evaluation rubrics. These chapters examine the following issues: (1) the choice of either English or Catalan as the medium of instruction by students and lecturers; (2) how students display ambivalence towards EMI, as well as a general lack of enthusiasm towards and an ironic distance from 'doing education'; (3) how students resist EMI by contravening its English monolingual norm, using their L1s in the classroom; and finally, (4) how EMI lecturers on occasion act as English language teachers despite their continued claims to the contrary. The book ends with a concluding chapter that draws all of the strands together around key themes. This book is written for scholars interested in issues surrounding EMI in HE in general, as well as those EMI in HE practitioners who have adopted a reflective approach to their professional practice and wish to know more about the ins and outs of EMI in HE from multiple perspectives. It is a useful resource for MA and PhD students on applied linguistics programmes in which the roles and uses of English in HE worldwide are deemed to be important and worthy of attention. Additionally, this will be relevant to courses or modules focusing on language policy, as well as curriculum issues more broadly and language teaching practice more specifically.

Precision Crop Protection - the Challenge and Use of Heterogeneity Feb 10 2022 Precision farming is an agricultural management system using global navigation satellite systems, geographic information systems, remote sensing, and data management systems for optimizing the use of nutrients, water, seed, pesticides and energy in heterogeneous field situations. This book provides extensive information on the state-of-the-art of research on precision crop protection and recent developments in site-specific application technologies for the management of weeds, arthropod pests, pathogens and nematodes. It gives the reader an up-to-date and in-depth review of both basic and applied research developments. The chapters discuss I) biology and epidemiology of pests, II) new sensor technologies, III) applications of multi-scale sensor systems, IV) sensor detection of pests in growing crops, V) spatial and non-spatial data management, VI) impact of pest heterogeneity and VII) precise mechanical and chemical pest control.

The Sony Alpha NEX-6 Sep 17 2022 The Sony Alpha NEX-6: The Unofficial Quintessential Guide provides a wealth of experience-based information and insights on this exciting new camera. Authors Brian Matsumoto and Carol F. Rouillard team up to help the new owner navigate past the confusion that often comes with using a complex and powerful camera. This book explores the

features and capabilities of the camera in a way that far surpasses the user's manual. It guides the reader through the camera features with step-by-step instructions for setting menu commands, and explains how, when, and why these adjustments are needed. Every button, dial, switch, and menu configuration setting is explored in a friendly manner, with suggestions and tips for setup according to various shooting styles. The informative text is illustrated with screenshots and example images throughout, making it easy to follow along. The authors cover everything from the camera's basic features to advanced photographic applications. The first section of the book teaches new users to start taking pictures immediately by using the camera's Intelligent Auto and Superior Auto modes. In the second section, you'll learn how to begin taking control by switching to the semi-automatic modes. Finally, you'll learn to take full manual control of the camera, which will allow you to capture images that are a unique reflection of your creative personality. Brian and Carol go beyond just the camera itself and share how third-party software and optional accessories can improve on the camera's standard commands. You'll even learn how the electronic viewfinder and Sony's novel shutter design improve the camera's utility for critical scientific photography (i.e., photomicrography). The Sony Alpha NEX-6: The Unofficial Quintessential Guide will allow you to take control of your camera, push the envelope, and have fun.

[Sea Lion Swims Feb 27 2021](#) Follow along as a young sea lion takes a swim.

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