

Diseases Of Cattle In The Tropics Economic And Zoonotic Relevance Current Topics In Veterinary Medicine

Bovine Medicine provides practical and comprehensive information on cattle disease and production and is a key reference for all large animal vets. Since the first edition was published in 1991 there have been significant improvements in disease control and management of cattle. Almost all parts of the book have been updated and completely rewritten. There are new chapters on surgery, embryo transfer, artificial insemination, ethno-veterinary medicine and biosecurity, and a new consolidating chapter on the interaction between the animal, environment, management and disease. The previous edition has sold all over the world, and as a result of this a greater emphasis has been placed on conditions and their treatment in areas other than temperate regions. A new section entitled "Global Variation in Cattle Practice" has been included with contributors discussing bovine medicine practice in their part of the world. All in all this is an outstanding resource for any practising vet and an excellent reference for veterinary students.

This book summarizes the results achieved so far by application of various biological systems (including genomics, transcriptomics, proteomics, and metabolomics) involved

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in the pathomechanisms and early diagnosis of periparturient diseases as specific biomarkers of disease in cattle. These emerging technologies help to extensively enhance our understanding of the etiology and pathogenesis of periparturient diseases of transition dairy cows. The book includes a chapter dedicated to 'omics' sciences and one that discusses the myths established in animal and veterinary sciences in recent decades and emerging, new paradigms. The diseases discussed include metritis, mastitis, laminitis, ketosis, rumen acidosis, periparturient immunosuppression, gastrointestinal microbiota and their involvement in disease, infertility, fatty liver, milk fever, and retained placenta. This book is intended for academics, veterinarians, animal nutritionists, researchers, and graduate students working in the field of 'omics sciences' with a special interest in dairy cattle health.

The new 10th edition of this well-respected reference includes thoroughly revised and reviewed information with content on new diseases for the most up-to-date information on diseases effecting sheep, pigs, goats, horses, and cattle. Divided into two sections, General Medicine and Special Medicine, the book covers topics ranging from the clinical examination and manifestation of disease in organ systems to specific diseases of the large animal species. Includes important information essential to any large-animal veterinarian, especially those working with horses, cattle, sheep, pigs, or goats. User-friendly format allows the reader to quickly absorb key information. Quick review/synopsis sections for complex diseases make important information easy to find.

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Features content on major diseases of all countries, including foreign animal and emerging diseases. Completely revised chapters reflect the information from current literature. New chapters address diseases associated with prions and identify important emerging diseases. A new main author who is a recognized authority on internal medicine of ruminant species with extensive clinical experience and scientific publications brings his expertise to this important reference. Includes content from contributing authors who are international authorities on pig diseases, toxicological disease in animals, and diseases associated with arthropod parasites. Several new illustrations and sonograms provide up-to-date visual aids for better understanding. Clinical examination and marking a diagnosis; General systemic states; Diseases of the newborn; Practical antimicrobial therapeutics; Diseases of the alimentary tract I; Diseases of the alimentary tract II; Diseases of the liver; Diseases of the cardiovascular system; Diseases of the blood and blood-forming organs; Diseases of the respiratory system; Diseases of the urinary system; Diseases of the nervous system; Diseases of the musculoskeletal system; Disease of the skin and conjunctiva; Diseases of the skin and conjunctiva; Mastitis; Diseases caused bacteria I; Diseases caused by bacteria III; Diseases caused by bacteria IV; Diseases caused by bacteria V; Diseases caused by viruses and chlamydia I; Diseases caused by viruses and chlamydia II; Diseases caused by Rickettsia; Disease caused by fungi; Disease caused by Protozoa; Diseases caused by arthropod parasites; Metabolic diseases; Disease caused by nutrition

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deficiencies; Diseases caused by physical agents; Diseases caused by chemical agents I; Diseases caused by chemical agents II; Diseases caused by allergy; Diseases caused by the Inheritance of Undesirable characters; Specific diseases of unknown or uncertain etiology.

REBHUN'S DISEASES OF DAIRY CATTLE, 2nd Edition is your all-in-one guide to bovine disease management. With thorough, up-to-date coverage of differential diagnosis methods, surgical and therapeutic treatment options, and prevention strategies, it provides vital information for battling bovine diseases in both dairy and non-dairy cattle. The book is organized by body system for quick, convenient reference, and this new edition meets the growing need for management of both diseases of individual cows and problems affecting whole herds. Individual case presentations provide a valuable tool for differential diagnosis. Practical overviews for procedures such as blood transfusion, abdominal paracentesis, and ECG give you reliable support for some of the most common procedures in bovine care. Body systems organization makes diagnosis easier and more effective by isolating system-specific diseases and conditions. Full-color design and over 200 new photographs depict disease processes in realistic clarity and ensure the most accurate diagnosis and treatment. Emphasis on herd health addresses the dairy industry's increased concern over population medicine. Expanded coverage of lameness highlights key problem areas in bovine feet. Revised drug usage recommendations and legal considerations present the most current information in

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these critical areas to help you prevent dangerous or costly errors. Additional public health/safety considerations identify diseases that pose a substantial public threat and detail special measures for related care of dairy cattle. New, innovative DVD features real-time videos of neurologic case studies, ultrasound and endoscopy procedures, and imaging techniques that familiarize you with the latest technological equipment and protocols. Features coverage of the latest treatment innovations including antibiotic residue testing, care of individual metabolic disease, troubleshooting, and much more. The Color Atlas of Diseases and Disorders of Cattle is the established and respected illustrated guide to the full range of conditions encountered in cattle worldwide. For this new edition the atlas has been redesigned to present over 840 colour illustrations and clearer than ever coverage of conditions, with a special emphasis on ease of use. The text has been updated and rewritten to encompass many new conditions including burns, 'bleeding calf syndrome', rib fracture and jejunal hemorrhagic syndrome, while treatment of existing conditions has been expanded. The emphasis of this new edition of the Color Atlas remains the visible signs of diseases and disorders in the live animal. In its third edition guise, the atlas is an indispensable reference for both experienced and novice cattle practitioners, government and industry veterinarians, as well as veterinary and agricultural students, and managers of large-scale cattle enterprises

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throughout the world. One hundred fresh illustrations included, improving the range of signs presented. Special emphasis on improvements in animal welfare. Extensive upgrade to chapter on locomotor disorders. Improved layout places images and relevant text closer together. Terms updated with the latest nomenclature. Inclusion of more lay terms and clarification of acronyms. One hundred fresh illustrations included, improving the range of signs presented. Special emphasis on improvements in animal welfare. Extensive upgrade to chapter on locomotor disorders. Improved layout places images and relevant text closer together. Terms updated with the latest nomenclature. Inclusion of more lay terms and clarification of acronyms.

Excerpt from Reports on the Diseases of Cattle in the United States: Made to the Commissioner of Agriculture, With Accompanying Documents About the middle of June, 1868, a disease broke out at Cairo, Illinois, at a point where large numbers of Texas cattle had been landed. It was thought to resemble the disease of the old Spanish cattle on the Gulf coast, and was thence called "Spanish fever" and "Texas cattle disease." This spread into Southern Illinois and other districts in connection with the grand depot at Cairo. My attention was called to the serious nature of this disease when visiting the fair of the State Agricultural Society at Springfield, Illinois, and I was induced to secure the

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services of Professor Gamgee, of London, England, who was at the time in this country, to make a full investigation, under the following instructions: In view of the alarming and continued ravages of the cattle disease in Illinois, known popularly as the "Spanish fever," and assumed to be communicated by cattle recently from Texas, I hereby authorize you to make investigations into its cause and character, and ascertain and report, if possible, a practicable remedy or means of prevention. In accordance with this letter, the professor visited the districts in Illinois and vicinity which were affected. In the spring of this year he visited that part of Texas on and near the Gulf coast, and, accompanied by Mr. H. W. Ravenel, of South Carolina, an accomplished botanist, examined into the conditions of food and general mode of life of the native cattle of Texas at those points whence transportation began. The observations made are embodied in the reports of Messrs, Gamgee and Ravenel accompanying. It being desirable that some observations should be made upon the effect of fungi entering the system of animals in producing alterations of the blood and other animal fluids, or general deviations from health in stock, an application was made by this Department to Brevet Brigadier General J. K. Barnes, Surgeon General United States army, that Doctors J. S. Billings and E. Curtis, assistant surgeons United States army, might be authorized to assist Professor Gamgee in his experiments

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upon the subject of the cryptogamic causes of disease. The Surgeon General authorized these gentlemen to enter upon that duty, and their report is appended. It is not to be presumed that this report renders further investigation needless; on the contrary, some practical points not yet reached urgently demand examination. One of these is the best mode of arresting contagion and the proper preparation for cattle before being transported north. To carry out this investigation a further appropriation is needed. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

Diseases of Cattle in Australasia has a sterling reputation as the authoritative book for cattle veterinarians and veterinary students. It's useful to progressive farmers, professional agricultural advisors and those in other scientific disciplines who require access to both general and detailed knowledge

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on diseases of cattle in Australasia. This second edition is fully updated and redesigned and has over 1000 full-colour images, illustrations and diagrams. This book remains the ultimate textbook on diseases of cattle in Australasia. The book will be an essential reference for cattle practitioners throughout New Zealand and Australia and will have applications in other countries where cattle are kept under similar conditions.

Most of the important infectious diseases that threaten livestock--including heartwater, bluetongue, African horse sickness, African swine fever, babesiosis, anaplasmosis, and trypanosomiasis --occur endemically on the Southern African subcontinent and are responsible for major stock losses annually. Infectious Diseases of Livestock offers a comprehensive overview of the factors which influence the occurrence of such diseases, focusing in particular on arthropod vectors (ticks, tsetse flies, culicoides midges, mosquitoes, and biting flies), herd immunity and immunization strategies, resistance of animal breeds to infectious agents and their vectors, and the role played by wild animals in the spread of infectious diseases. Throughout, diseases are grouped according to their causal infectious agents and are treated in terms of their history, epidemiology, pathogenesis, clinical signs, pathology, diagnosis, differential diagnosis, and control. The book concludes with a discussion of diseases of unknown etiologies

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and important disease complexes such as mastitis and congenital viral teratology. Well-written and completely up-to-date, this book is the reference that students, professionals, and researchers in infectious diseases, pathology, tropical medicine, and veterinary research have been waiting for. How to control economically important vector-borne diseases? What are the best strategies to protect livestock from vector-borne diseases in a changing environment? How to evaluate and assess the acceptability, cost efficiency and cost benefit of the control and surveillance methods? The information in this book will help to answer these questions. It aims at presenting the latest information on vector-borne diseases affecting livestock worldwide, from state-of-the art interventions to the assessment of the impact of these control measures. This book is a valuable tool for entomologists and all those involved in pest and vector control.

Most of the future increase in livestock production is expected to occur in the tropical and subtropical regions of the world. Cattle are the most numerous of the ruminant species in the tropics and provide the largest quantity of animal food products. More than one-third of the world's cattle are found in the tropics. Disease is the major factor which prohibits full utilization of these regions for cattle production. Various infectious and transmissible viral, rick ettsial, bacterial,

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and particularly protozoan and helminthic diseases, are widespread in the tropics and exert a heavy toll on the existing cattle industry there. This uncontrolled disease situation also discourages investment in cattle industries by private and government sectors. In Africa alone, it is estimated that 125 million head of cattle could be accommodated in the tropical rainbelt if the disease and other animal husbandry factors could be resolved. The potential of efficient cattle production under more favorable conditions prompted various international agencies to establish a multi million dollar International Laboratory for Research in Animal Diseases (ILRAD) in Nairobi, Kenya, Africa. In South America, principal sites for raising cattle are shifting to the savannah lands because the more fertile soils are being used for crop production, however, in the savannahs also, disease remains the most powerful deterrent in implementing the cattle industry. For 45 years Diseases of Livestock has been the world's foremost veterinary reference for both veterinarians and livestock farmers and breeders. Differential diagnostic charts are provided for each of the seven domestic animals - cats, cattle, dogs, goats, horses, pigs and sheep - giving specialist vets detailed diagnostic direction outside their speciality and enabling the lay person to attempt diagnosis in the event that veterinary advice is unavailable or to more fully understand the help that a vet may give.

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Genetics and Breeding for Disease Resistance of Livestock is a solid resource that combines important information on the underlying genetic causes and governing factors for disease resistance in food animals and applications for breeding purposes. It describes genomics at each species level to help researchers and students understand disease resistance and immunology using genomics and its application in breeding for disease resistance. This useful reference makes it easy for readers to understand and undergo further research in immunology and disease resistance for livestock. It includes novel applications and research material that is ideal for students, teachers, academicians and researchers. Presents basic principles and protocols to describe research methodologies through diagrammatic illustrations with figures, flow charts, examples, and references Covers various disease occurrences in livestock and the methodologies available to identify the various pathogens responsible for these diseases Includes advanced breeding techniques and practical applications

This Community meeting has been organised, since over the past 15 years in different countries of Western Europe including Scandinavia, a lot of research has been directed to the summer mastitis problem. Summer mastitis in cattle is a well known disease which, because of its abruptness and the difficulties

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concerned in defining the predisposing factors and the pathogens involved, is hard to control. Moreover, as it is anticipated that in the transmission of the bacteria one or more dipterans are involved, the complexity in defining the disease and hence co-ordinating our scientific knowledge in relation to practical control was stimulus enough for this workshop to be organised. Our aims can be summarised in the following goals: 1. Exchange of information in the practical, technical and scientific field in order to stimulate a co-ordinated research approach at a time in which the cattle husbandry sector is under great economical stress. 2. Inform research workers from countries where the disease is or seems to be, not endemic, on aspects that might be of interest for them in the approach of comparable problems. 3. To draw up conclusions and recommendations with regard to future research activities in order to avoid needless duplication of effort.

Pathogens transmitted among humans, animals, or plants by insects and arthropod vectors have been responsible for significant morbidity and mortality throughout recorded history. Such vector-borne diseases " including malaria, dengue, yellow fever, and plague " together accounted for more human disease and death in the 17th through early 20th centuries than all other causes combined. Over the past three decades, previously controlled vector-borne

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diseases have resurged or reemerged in new geographic locations, and several newly identified pathogens and vectors have triggered disease outbreaks in plants and animals, including humans. Domestic and international capabilities to detect, identify, and effectively respond to vector-borne diseases are limited. Few vaccines have been developed against vector-borne pathogens. At the same time, drug resistance has developed in vector-borne pathogens while their vectors are increasingly resistant to insecticide controls. Furthermore, the ranks of scientists trained to conduct research in key fields including medical entomology, vector ecology, and tropical medicine have dwindled, threatening prospects for addressing vector-borne diseases now and in the future. In June 2007, as these circumstances became alarmingly apparent, the Forum on Microbial Threats hosted a workshop to explore the dynamic relationships among host, pathogen(s), vector(s), and ecosystems that characterize vector-borne diseases. Revisiting this topic in September 2014, the Forum organized a workshop to examine trends and patterns in the incidence and prevalence of vector-borne diseases in an increasingly interconnected and ecologically disturbed world, as well as recent developments to meet these dynamic threats. Participants examined the emergence and global movement of vector-borne diseases, research priorities for understanding their biology and ecology, and

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global preparedness for and progress toward their prevention, control, and mitigation. This report summarizes the presentations and discussions from the workshop.

This book contains classic material dating back to the 1900s and before. The content has been carefully selected for its interest and relevance to a modern audience. Each publication has been professionally curated and includes all details on the original source material. This particular instalment, "Diseases of Cattle – How to Know Them; Their Causes, Prevention and Cure" contains information on the diagnosis and treatment of cattle ailments. It is intended to illustrate aspects of cattle health and serves as a guide for anyone wishing to obtain a general knowledge of the subject and understand the field in its historical context. We are republishing these classic works with a new introductory essay on Cattle Farming.

Provides an overview of the current knowledge of polymicrobial diseases of multiple etiologic agents in both animals and humans. Explores the contribution to disease made by interacting and mutually reinforcing pathogens, which may involve bacteria, viruses, or parasites interacting with each other or bacteria interacting with fungi and viruses. Emphasis on identifying polymicrobial diseases, understanding the complex etiology of these diseases, recognizing difficulties in establishing methods for their study, identifying mechanisms of pathogenesis, and assessing appropriate methods of treatments.

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The Geographical Distribution of Animal Viral Diseases attempts to shed some light on the

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global distribution of 110 different viral diseases, mainly of livestock and companion animals. The world literature was screened for 110 different viruses, and maps were prepared. These maps delineate the global distribution of pathogenic viruses based on authenticated reports from a variety of reliable sources. Four viruses were categorized as affecting more than one species to a significant degree (astrovirus, rabies, rotaviruses, and Rift Valley fever). The largest number of maps involved viruses that affect humans. Of the 28 viruses a large number were from the California encephalitis group. Ten of the 28 viruses were reported only in the Eastern Hemisphere, 14 only in the Western Hemisphere, and four were worldwide. Birds were the next most frequently affected group with the 15 viruses, followed by pigs with 14 viruses. Overall the vector-borne viruses appear to have much sharper and clear-cut geographical boundaries than the others.

Skin Diseases of Cattle in the Tropics: A Guide to Diagnosis and Treatment is a clinical and practical guide to help animal scientists, field veterinarians, veterinary students, and technicians make appropriate and differential diagnoses. It features quizzes of clinical cases, along with multiple images of characteristic lesions and laboratory findings of major skin diseases (and diseases with skin manifestations) that are prevalent in tropical areas, notably the Sub-Saharan African countries. This self-learning and easy-to-use instructional guide, a unique offering in the field of animal science and veterinary medicine, provides essential and foundational information about relevant skin conditions that are followed by illustrated flow charts of laboratory diagnoses and summaries of respective diseases. This title makes the subject accessible for practicing veterinarians and animal scientists, and is particularly useful for those who have neither seen nor had the chance to see these diseases in the field or

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clinics. Such diseases are important not only in the tropics, but may be encountered in many countries in subtropical and temperate zones. Features more than 100 images of lesions and laboratory findings of major skin diseases and diseases with skin manifestations that are prevalent in tropical areas Includes clinical-case quizzes for self-directed learning Covers laboratory diagnosis, clinical presentations, and the summary of all important facts about the disease, including their etiology

"Notes on Diseases of Cattle: Cause, Symptoms and Treatment" by Charles James Korinek. Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten?or yet undiscovered gems?of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to everyone in a high-quality digital format.

The second edition of this text, like the first, is a study guide and reference for individuals involved in the diagnosis, arrangement and control of viral diseases as they occur in cattle in the production-management systems prevalent in North America. The fact, theories and controversies about bovine viral diseases are presented in a format useful to those first exploring the subject and those desiring a review or update. Conclusions and generalizations are derived from both clinical observations and research. Dr. Kahrs has revised and updated the existing chapters and included new sections on bovine caliciviruses, bovine spongiform encephalopathy, bovine

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immunodeficiency virus, disinfectants and disinfection, viral transmission via germplasm and the effects of bovine viruses on international trade.

Not so many years ago little attention was paid to non-parasitic respiratory diseases of cattle because they seemed of minor importance. However, in the past twenty years, as the number of cattle kept on any farm unit increased under economic pressures, there has been a concomitant rise in the prevalence of respiratory illness. Investigations into cattle respiratory diseases have become a significant part of the research effort in most countries of Europe. Initially much work went into finding, like the alchemist's stone, the organism responsible for causing cattle respiratory disease. Many viruses were isolated and over the years a long list of those recovered from the respiratory tract of cattle has been prepared. Unfortunately, few of these viruses on their own are recognised as proven pathogens and no single virus provides the complete aetiological answer to bovine respiratory disease. More recently, perhaps in despair, greater attention has been directed to the role of mycoplasma and, additionally, a revival of interest has taken place in the significant part played by bacteria in the later stages of respiratory disease. Now, phrases such as "multifactorial disease" are being commonly used to describe the complex situation with respiratory disease.

Treat the diseases affecting large animals! Veterinary Medicine, 11th Edition provides up-to-date information on the diseases of horses, cattle, sheep, goats, and pigs.

Comprehensive coverage includes the principles of clinical examination and making a

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diagnosis, along with specific therapy recommendations. For easier use, this edition has been divided into two volumes and restructured into a logical, anatomically based approach to disease. From internationally known veterinary experts Peter Constable, Kenneth Hinchcliff, Stanley Done, and Walter Grünberg, this book is the definitive, one-stop reference for farm animal and equine care. Comprehensive coverage includes information essential to any large-animal veterinarian, especially those working with horses, cattle, sheep, goats, or pigs. Coverage of diseases addresses major large-animal diseases of all countries, including foreign animal and emerging diseases. User-friendly format makes it easier to quickly absorb key information. Quick review/synopsis sections make important information on complex diseases easy to find. NEW! Convenient, easy-access format is organized by organ systems, and divides the content into two compact volumes with the same authoritative coverage. Nearly 200 new color photographs and line drawings are included in this edition. NEW full-color design improves navigation, clarifies subject headings, and includes more boxes, tables, and charts for faster reference. New Diseases Primarily Affecting the Reproductive System chapter is added. Updated and expanded chapter on pharmacotherapy lists therapeutic interventions and offers treatment boxes and principles of antibiotic use. Expanded sections on herd health include biosecurity and infection control, and valuable Strength of Evidence boxes. NEW or extensively revised sections include topics such as the Schmallenberg and Bluetongue viral epidemics of

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ruminants in Europe, Wesselbron disease in cattle, hypokalemia in adult cattle, equine multinodular pulmonary fibrosis, Hendra virus infection, porcine reproductive and respiratory syndrome, torque teno virus, and numerous recently identified congenital and inherited disorders of large animals. Additional content is provided on lameness in cattle and the diseases of cervids.

Johne's Disease is a chronic, progressive intestinal disease caused by infection with *Mycobacterium avium* subspecies *paratuberculosis* (Map) that affects primarily ruminant animals. In recent decades there has been growing concern over the lack of effective control of this disease and questions have arisen regarding the possibility that Map infection could be a cause of some cases of Crohn's disease in humans. This report presents a broad outline of the steps that should be taken to control Johne's disease, reduce the spread of Map, and minimize effects of the disease in animals. The report also describes the weaknesses of our current research agenda and provides recommendations for a new research strategy to resolve the question of whether there is a link between Johne's and Crohn's diseases.

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