

General Meteralogy Byers

Physics of the marine atmosphere

A summary of current research by leading workers in the field.

Experiment Station Record

International Geophysics Series

Physics of the Marine Atmosphere

Air Masses, Fronts and Winter Precipitation in Central Alaska

Proceedings of International Symposium on the Qinghai-Xizang Plateau and Mountain Meteorology

General MeteorologyMcGraw-Hill CollegeGeneral Meteorology(by) Horace Robert Byers. 4th EdGeneral MeteorologyPublished Formerly Under the Title Synoptic and Aeronautical MeteorologyGeneral Meteorology ... Third EditionGeneral Meteorology3d EdGeneral Meteorology MesuresOutline of a Suggested Junior College Program in General and Vocational

AviationPhysics Methods in ArchaeometryIOS Press

Includes Part 1, Number 1: Books and Pamphlets, Including Serials and Contributions to Periodicals (January - June)

General Meteorology Mesures

Dictionary Catalog of the Research Libraries of the New York Public Library, 1911-1971

Published Formerly Under the Title Synoptic and Aeronautical Meteorology

General Meteorology

Atmosphere, Weather, and Climate

What causes the aurora? What are the trade winds? Over 1,000 questions with comprehensive answers cover all types of weather phenomena. This enlightening, entertaining, and well-illustrated text for anyone curious about nature features numerous diagrams and full-page illustrations. Topics include the atmosphere, climatology, storms, historical weather studies, and weather lore.

The physical, meteorological and climatological aspects of freezing precipitation in the Tanana River Basin of central Alaska are examined. Periods of inclement weather are evaluated with respect to frequency and duration, and concurrent temperature, wind, atmospheric pressure and visibility conditions. Although relatively dry polar continental air masses dominate the area in winter, massive intrusions of maritime air occasionally produce a major snowstorm and, in rare instances, rain or freezing rain. Because of the surrounding mountain ranges, snow occurs most often when the atmospheric pressure is rising and the winds are from the west. Ice fogs are observed at temperatures below -21F, and very few water-droplet fogs are reported at temperatures below -31F. The relationships between air masses, fronts and local climatic influences may be used in forecasting winter precipitation in central Alaska. The statistical survey presented also contributes new information on winter weather conditions in this region. (Author).

Research Report - Corps of Engineers, U.S. Army, Cold Regions Research and Engineering Laboratory

1001 Questions Answered about the Weather

Scientific Research Inspired by Doug Lilly

Synoptic Radio Meteorology

Biographical Memoirs

This book is a proceedings of the 'International Symposium on the Qinghai-Xizang Plateau and Mountain Meteorology', held in 20-24 March, 1984. It is a comprehensive summary of important research results in the field of mountain meteorology, including sub-topics such as field observation, dynamic and thermal effects of the mountains on general circulation, results obtained through the numerical models with the large-scale topography, and circulation systems on the Plateau.

This book reviews the principles of Doppler radar and emphasizes the quantitative measurement of meteorological parameters. It illustrates the relation of Doppler radar data and images to atmospherix phenomena such as tornados, microbursts, waves, turbulence, density currents, hurricanes, and lightning. Radar images and photographs of these weather phenomena are included. Polarimetric measurements and data processing An updated section on RASS Wind profilers Observations with the WSR-88D An updated treatment of lightning Turbulence in the planetary boundary layer A short history of radar Chapter problem sets

General Meteorology ... Third Edition

Radio Meteorology

Catalog of Copyright Entries. Third Series

Mesoscale Meteorology in Midlatitudes

Géographe Canadien

International Geophysics Series, Volume 7: Physics of the Marine Atmosphere discusses the influence exerted by the sea surface on the properties of the atmosphere as well as on atmospheric processes of small and medium scale. This book is composed of six chapters that specifically consider the exchange occurring in the boundary layer between ocean and atmosphere. The opening chapters deal with the particular difficulties inherent in meteorological measurements at sea. The remaining chapters describe the flow characteristics, thermodynamics, chemistry, electricity, and radioactivity of the marine atmosphere. Emphasis is placed on the physical approach rather than on geographical aspects and those of application. A discussion of the empirical facts is followed by theoretical interpretation. Geophysicists, theoreticians, and scientists of the allied fields will find this book invaluable.

First published in 2003. Routledge is an imprint of Taylor & Francis, an informa company.

Coastal Meteorology

Epidemiology of the Unusual Smog Episode of October 1948 : Preliminary Report

Outline of a Suggested Junior College Program in General and Vocational Aviation

AECU

Journal of Meteorology

The role of exact sciences in connection with cultural heritage now is well established and a new scientific branch has been generated: Archaeometry. Literally, Archaeometry means measurement on ancient objects. It is a multidisciplinary field of investigations where the rigorous methods of exact sciences give a fundamental contribution to solving the problems associated with conservation and restoration, as well as to the study itself of the cultural heritage. Archaeometry, as a scientific research field, involves interdisciplinary groups formed by scholars of the humanistic area together with scientists: physicists, chemists, mathematicians, biologists, engineers, etc. The primary justification for the need of involving exact sciences in the field which, in the past, traditionally has been exclusive of Art Historians must no doubt be found in the conservation and restoration activities. The second argument which, in the public opinion, justifies the involvement of science with the world of Art is the confidence that scientific methods are infallible in unmasking forgeries. But in our opinion the awareness of the central role of scientific methods as a support for philological and historical investigations is still very little diffuse or, at least, finds it hard to become widespread. Perhaps also because of our mentality, Physics, compared to chemistry, is more apt to find applications in a context free from authentication or conservation implications.

The thermodynamics of the atmosphere is the subject of severai chapters in most textbooks on dynamic meteorology, but there is no work in English to give the subject a specific and more extensive treatment. In writing the present textbook, we have tried to fill this rather remarkable gap in the literature related to atmospheric sciences. Our aim has been to provide students of meteorology with a book that can play a role similar to the textbooks on chemical thermodynamics for the chemists. This implies a previous knowledge of general thermodynamics, such as students acquire in general physics courses; therefore, although the basic principles are reviewed (in the urst four chapters), they are only briefly discussed, and emphasis is laid on those topics that will be useful in later chapters, through their application to atmospheric problems. No attempt has been made to introduce the thermodynamics ofirreversible processes; on the other hand, consideration of heterogeneous and open homogeneous systems permits a rigorous formulation of the thermodynamic functions of c10uds (exclusive of any consideration of microphysical effects) and a better understanding of the approx imations usually implicit in practical applications.

(by) Horace Robert Byers. 4th Ed

ESSA Libraries Holdings in Oceanography and Marine Meteorology, 1710-1967: Author and subject indexes

Atmospheric Thermodynamics

1959: January-June

A Numerical Model for the Prediction of Hurricane Formation

Mesoscale Meteorology in Mid-Latitudes presents the dynamics of mesoscale meteorological phenomena in a highly accessible, student-friendly manner. The book's clear mathematical treatments are complemented by high-quality photographs and illustrations. Comprehensive coverage of subjects including boundary layer mesoscale phenomena, orographic phenomena and deep convection is brought together with the latest developments in the field to provide an invaluable resource for mesoscale meteorology students. Mesoscale Meteorology in Mid-Latitudes functions as a comprehensive, easy-to-use undergraduate textbook while also providing a useful reference for graduate students, research scientists and weather industry professionals. Illustrated in full colour throughout Covers the latest developments and research in the field Comprehensive coverage of deep convection and its initiation Uses real life examples of phenomena taken from broad geographical areas to demonstrate the practical aspects of the science

Atmosphere, Weather and Climate provides a thorough introduction to weather processes and climatic conditions. Since the last edition, the recognition of the reality and possible effects of human activities on the environment has revolutionized attitudes to the study of atmosphere and of world climate. stressing the heat budget of the earth and the causes of the greenhouse effect, the authors turn to manifestations and circulation of atmospheric moisture, including atmospheric stability and precipitation patterns in space and time. A consideration of atmospheric motion on small to large scales and modelling of general circulation leads to a decision of the structure of air masses, frontal cyclones and weather forecasting on different time scales. The treatment of weather and climate in temperate latitudes begins with studies of Europe and America, extending to the conditions of their polar and sub-tropical margins. Tropical weather and climate are also described through an analysis of the climatic mechanisms of monsoon Asia, Africa and Amazonia, together with the tropical margins of Africa and Australia.

With Marine Applications

3d Ed

Fundamentals of Air Pollution

Doppler Radar & Weather Observations

Air Pollution in Donora, Pa

Coastal meteorology is an integral part of the total system approach to understanding coastal environments. This book provides information for students who are not necessarily majoring in meteorology or atmospheric sciences but who nonetheless have need of such knowledge. Scientists, engineers, and coastal planners will also find this book a useful resource for familiarizing themselves with meteorological information.

Biographic Memoirs Volume 79 contains the biographies of deceased members of the National Academy of Sciences and bibliographies of their published works. Each biographical essay was written by a member of the Academy familiar with the professional career of the deceased. For historical and bibliographical purposes, these volumes are worth returning to time and again.

Meteorological and Geostrophysical Abstracts

Atmosphere, Weather and Climate

Meteorology and Atomic Energy

Physics Methods in Archaeometry

Fundamentals of Air Pollution is an important and widely used textbook in the environmental science and engineering community. Written shortly after the passage of the seminal Clean Air Act Amendments of 1990, the third edition was quite timely. Surprisingly, the text has remained relevant for university professors, engineers, scientists, policy makers and students up to recent years. However, in light of the transition in the last five years from predominantly technology-based standards (maximum achievable control technologies or MACTS) to risk-based regulations and air quality standards, the text must be updated significantly. The fourth edition will be updated to include numerous MACTs which were not foreseen during the writing of the third edition, such as secondary lead (Pb) smelting, petroleum refining, aerospace manufacturing, marine vessel loading, ship building, printing and publishing, elastomer production, offsite waste operations, and polyethylene terephthalate polymer and styrene-based thermoplastic polymers production. * Focuses on the process of risk assessment, management and communication, the key to the study of air pollution. * Provides the latest information on the technological breakthroughs in environmental engineering since last edition * Updated information on computational and diagnostic and operational tools that have emerged in recent years.

Transactions of the Annual Conference of State Sanitary Engineers

Meteorology

Atmospheric Turbulence and Mesoscale Meteorology

Physics of the marine atmosphere