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Windpumps—Roy Barlow 1993 Looking at the potential for the future development of wind-pumping, this text provides information on the technology and economics of this renewable energy resource. An appendix lists international suppliers and manufacturers of windpumping equipment, with a summary of products and services.

Wind Power—Paul Gipe 2004 Wind energy today is a booming worldwide industry. The technology has truly come of age, with better, more reliable machinery and a greater understanding of how and where wind power makes sense— from the independent homestead to a grid-connected utility-wide perspective. Heightened concerns about our environment mean that this resurgence of interest in wind—a natural and widespread power source—is here to stay. Wind Power is the completely revised and expanded edition of Paul Gipe's definitive 1993 book, Wind Power for Home and Business. In addition to expanded sections on gauging wind resources and siting wind turbines, this edition includes new examples and case studies of successful wind systems, international sources for new and used equipment, and hundreds of color photographs and illustrations.

Fundamentals/Wind-Driven Water—J. A. C. Kentfield 1996-12-01 This monograph offers a comprehensive reference work for engineers, researchers and students involved in the design, testing and improvement of wind-driven water pumps. By providing a thorough treatment of the factors which affect the success of pump performance, combined with the fundamentals of machine design, this book distinguishes itself from a simple design manual, and therefore allows the reader to determine the most efficient wind-pump configuration based on their specific needs and resources. The latest international developments in wind-driven water pumping technologies, including a survey of the advantages and disadvantages of the alternative configurations to the more "standard" designs are discussed. In a field where technical information is limited, "The Fundamentals of Wind-Driven Water Pumpers" will serve as a valuable resource for the wind-engineering community. Water-pumping windmills are used in crop irrigation and water supply for livestock in various semiarid regions.

Energy Review—1993

Boiling Point—1994

Towards a Renewable Energy Strategy for Africa (RESA)—Andrew James Yager 1995

Rural Development—1988

Water Lifting Devices—Peter L. Fraenkel 2006 Surveys the water-lifting technologies that are available and appropriate for smallholdings. This report examines the costs and general suitability of the different technologies to enable farmers and policy makers to make informed choices.

Hands on Energy, Infrastructure and Recycling—Emma Judge 2002 Appropriate green technologies are sometimes regarded as a second-rate solution but the series Innovations for a Sustainable World challenges this concept by presenting real-life examples of successful appropriate technological stories from Europe, Asia, Africa and Latin America. All of the studies in these two books have been produced as a result of personal experience from somewhere in the world. Subjects covered in the series include success stories from agriculture, agro-processing, enterprise, energy, building and shelter, water and sanitation and recycling. Based on the Hands On series of video films produced by the Television Trust for the Environment and broadcast on BBC World, these books promote appropriate innovations and environmentally sound solutions which can help reduce consumption. All of the new technologies and scientific breakthroughs described in the books can be applied by individuals and entrepreneurs at a reasonable cost to themselves and to the community. Some of the initiatives can be applied in the home, while others can be used by entrepreneurs to stimulate green business and small-scale enterprise. The book offers a range of suitable solutions for development professionals, NGOs, entrepreneurs and individuals who want to improve peoples livelihoods and the environment. They give practical advice and demonstrate a wide range of how to technologies including income-generating schemes in cities like Delhi and Dhaka, transport initiatives in Kathmandu and Copenhagen, and energy-saving projects in Addis Ababa and Beijing. Hands On - Energy, Infrastructure and Recycling covers innovations in energy and power, buildings, transport and re-use of materials.

Small Wind Systems for Rural Energy Services—Smaïl Khennas 2003 This book provides a concise guide to all the essential steps for setting up wind business services in developing countries. It deals with all the key aspects of promoting wind energy for domestic end uses, as well as giving a guide to needs assessment, resource assessment, the economics of small wind machines and technology choice. Most of the practical information explained in this book is taken from installations in Peru and Sri Lanka. The book describes the factors critical for sustainable development of small wind systems in rural areas. It also addresses the challenge of scaling-up, defined as the conditions and the strategy needed to move from a limited number of units to a widespread sustainable industry. Institutional aspects, business development and the policy environment are also examined.

Rural Energy Services—Teresa Anderson 1999 Rural Energy Services addresses the policy, market and sustainability aspects of defining and selecting technologies that will meet the demands for energy services by rural villages in a sustainable and reliable way. It offers a participative approach to the supply of energy services with a clear emphasis on the need for energy services, putting needs rather than technology first, and advocating that rural people, above all, know what they need and what will work for them. The handbook contains a full survey of energy resources and technologies and covers, in detail, the issues surrounding the decision-making processes involved, the implementation of energy schemes and an exploration of the policy, market and sustainability issues which are vital to the success of a scheme. The last section contains real case studies, covering projects which meet the energy service needs of rural people across the world today. The book was written as a resource for a series of workshops commissioned by the British Council and the UK Department for International Development, and provided the basis for workshops in countries such as Uganda, Brazil and India. Governmental and non-governmental energy strategists, donors, international and national development agencies, academics and financial institutions with responsibility for investment strategy will find this practical handbook highly valuable in their work.

Asian Bibliography—1994

Synergy—1991

Rainwater Catchment Systems for Domestic Supply—John Gould 1999 It presents case studies with numerous examples from around the world which will help anyone intending to design or construct a rainwater catchment system. The prime focus of the book is on implementation of roof and ground catchment systems for meeting either total or supplementary household water requirements.
DAC Guidelines and Reference Series Natural Resources and Pro-Poor Growth The Economics and Politics-OECD 2009-01-27 Natural capital constitutes a quarter of total wealth in low-income countries. This publication demonstrates that natural resources can contribute to growth, employment, exports and fiscal revenues and highlights the importance of policies encouraging the sustainable management of these resources.

The Power Guide- 1994 The Power Guide will facilitate decision making by providing guidelines most appropriate renewable energy source as well as providing information on hundreds of products from almost 500 manufacturers and suppliers in over 40 countries throughout the world.


Geoscience Documentation- 1991

Unesco List of Documents and Publications-Unesco 1982

Energy Research Abstracts- 1993

Publications Update-World Bank 1987

Reader's Guide to the History of Science-Arne Hessenbruch 2013-12-16 The Reader's Guide to the History of Science looks at the literature of science in some 550 entries on individuals (Einstein), institutions and disciplines (Mathematics), general themes (Romantic Science) and central concepts (Paradigm and Fact). The history of science is construed widely to include the history of medicine and technology as is reflected in the range of disciplines from which the international team of 200 contributors are drawn.

Financing Renewable Energy Projects-Jenni Gregory 1997 The aim of this book is to act as a guide for development workers for financing small renewable systems and a source of reference for further in-depth investigation. The book examines the issues which affect the success of a renewable energy financing programme on both a financial and a technical level.

Waterlines- 1990

Solar Energy in Developing Countries-A. Eggers-Lura 1979

Windpumping Handbook-Sarah Lancashire 1987 A wind pump needs no fuel, little maintenance and it usually lasts 20 years or more. Designs exist which are suitable for small-scale local manufacture. The aim of this handbook is to help potential users and decision makers take advantage of the benefits that windpumps can offer.

Wind Energy For the Rest of Us-Paul Gipe 2018-05-04

New Renewable Energy Resources-World Energy Council 1994 Renewable energy is seen by some as the only hope for the survival of the planet, yet by others it is viewed as a marginal resource with limited potential. All too often, however, the facts behind the role that renewable energy can and will play in the future global energy scene are disguised or ignored as rival camps distort the evidence to suit their own objectives.

RERIC Holdings List-Renewable Energy Resources Information Center (Thailand) 1969


Solar Energy Update- 1984

Rural Lighting-Jean-Paul Louineau 1994 Nearly one third of humanity still live in semi-darkness after sunset, not better off than in earlier centuries, mainly because they are beyond the reach of mains electricity. The traditional forms of lighting such as candles, oil lamps, kerosene pressure lamps, butane lamps tend to be inefficient and inadequate for many applications. Recent technical developments in electrical lighting have led to exciting new possibilities such as high intensity compact fluorescent lamps. Such lamps can increase the economic use of solar photovoltaic power systems or small wind-powered systems. These, and other new lighting technologies are becoming available and more affordable, but it can be difficult to know which types and sizes are most appropriate for different purposes. To meet these needs, Rural Lighting provides information to assist development workers and project managers working in rural or semi-urban development, health, farming, small business sectors to decide.* What level of light is necessary to meet the needs. * Which type of lighting sources would be most suitable.* How to provide small amounts of power for lighting How to implement cost-effective lighting systemsRural Lighting also includes an illustrated Buyers Guide' section providing up-to-date information on lighting systems and products available and listing addresses of manufacturers in many countries around the world.

Renewables and Energy for Rural Development in Sub-Saharan Africa-Maxwell Mapako 2013-07-18 Energy supply is a key factor in economic and social development, but lack of modern energy in rural areas limits efforts to alleviate poverty and improve living standards. This book identifies the options for providing modern and improved renewables-based energy to low-income rural areas, with special emphasis on the productive uses. In the five countries represented - Botswana, Eritrea, Ethiopia, Zambia and Zimbabwe - the contributors focus on the advantages of a decentralized approach to energy delivery, the role of income-generating activities in attracting modern energy services to rural areas, and the barriers as well as opportunities that exist in the promotion of renewable energy technologies. The African Energy Policy Research Network (Afrepre) has built up an enviable reputation as the Continent's foremost platform for the development African energy professionals producing policy relevant work. This latest volume in their series of publications is a further contribution to addressing the practical energy needs of Sub-Saharan Africa.

Appropriate Technology- 2001

Daily Graphic-Ransford Tetteh 2010-07-19

Technical Innovation in American History: An Encyclopedia of Science and Technology [3 volumes]-Rosanne Welch 2019-02-28 From the invention of eyeglasses to the Internet, this three-volume set examines the pivotal effects that inventions have had on society, providing a fascinating history of technology and innovations in the United States from the earliest colonization by Europeans to the present. **Encourages readers to consider the tremendous potential impact of advances in science and technology and the ramifications of important inventions on the global market, human society, and even the planet as a whole.** Supports eras addressed in the National Standards for American history as well as curricular units on inventions, discoveries, and technological advances **Includes primary documents, a chronology, and section openers that help readers contextualize the content**

Field Guide to Appropriate Technology-Barrett Hazeltine 2003-04-09

**New Renewable Energy Resources**-World Energy Council 1994 Renewable energy is seen by some as the only hope for the survival of the planet, yet by others it is viewed as a marginal resource with limited potential. All too often, however, the facts behind the role that renewable energy can and will play in the future global energy scene are disguised or ignored as rival camps distort the evidence to suit their own objectives.

**RERIC Holdings List**-Renewable Energy Resources Information Center (Thailand) 1969

**OECD Trade Policy Studies Environmental and Energy Products The Benefits of Liberalising Trade**-OECD 2006-06-08 Three papers exploring the implications of liberalising trade in various categories of environmental goods: environmentally preferable products, renewable-energy products and energy-efficient products.

**Solar Energy Update**- 1984

**Rural Lighting**-Jean-Paul Louineau 1994 Nearly one third of humanity still live in semi-darkness after sunset, not better off than in earlier centuries, mainly because they are beyond the reach of mains electricity. The traditional forms of lighting such as candles, oil lamps, kerosene pressure lamps, butane lamps tend to be inefficient and inadequate for many applications. Recent technical developments in electrical lighting have led to exciting new possibilities such as high intensity compact fluorescent lamps. Such lamps can increase the economic use of solar photovoltaic power systems or small wind-powered systems. These, and other new lighting technologies are becoming available and more affordable, but it can be difficult to know which types and sizes are most appropriate for different purposes. To meet these needs, Rural Lighting provides information to assist development workers and project managers working in rural or semi-urban development, health, farming, small business sectors to decide.* What level of light is necessary to meet the needs. * Which type of lighting sources would be most suitable.* How to provide small amounts of power for lighting How to implement cost-effective lighting systemsRural Lighting also includes an illustrated Buyers Guide' section providing up-to-date information on lighting systems and products available and listing addresses of manufacturers in many countries around the world.

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Field Guide to Appropriate Technology is an all-in-one "hands-on guide" for nontechnical and technical people working in less developed communities. It has been developed and designed with a prestigious team of authors, each of whom has worked extensively in developing societies throughout the world. This field guide includes: Step-by-step instructions and illustrations showing how to build and maintain a vast array of appropriate technology systems and devices Unique coverage on healthcare, basic business and project management, principles of design, promotion, scheduling, training, microlending, and more Teachers, doctors, construction workers, forest and agricultural specialists, scientists and healthcare workers, and religious and government representatives will find this book a first source for advice