

*Newly Published!*

## The Weather Observer's Handbook

Stephen Burt

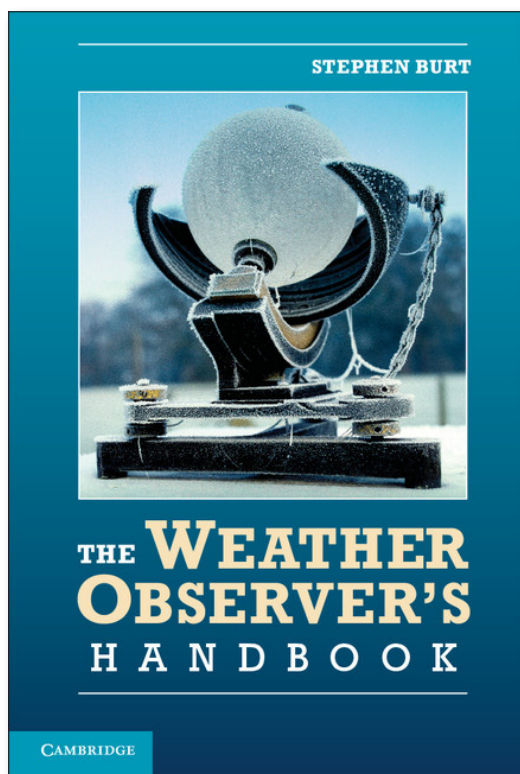
### About the Book

Measuring the Weather: The Weather Observer's Handbook provides a comprehensive, practical, and independent guide to all aspects of making weather observations. Automatic weather stations today form the mainstay of both amateur and professional weather observing networks around the world, and yet – prior to this book – there existed no independent guide to their selection and use. Traditional and modern weather instruments are covered, including how best to choose and to site a weather station, how to get the best out of your equipment, how to store and analyse your records, and how to share your observations with other people and across the Internet. From amateur observers looking for help in choosing their first weather instruments on a tight budget to professional observers looking for a comprehensive and up-to-date guide covering World Meteorological Organization recommendations on observing methods and practices, all will welcome this handbook.

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## Praise for this Book:

"This is a very impressive work! ... At last there is a comprehensive book on the tricky issue of accurately measuring the weather. This timely publication is a must for anyone in the market for a weather station, libraries, and weather observers of all stripes, both amateur and professional." - **Christopher C. Burt, Weather Historian, Wunderground, Inc. and author of Extreme Weather: A Guide and Record Book**

"With this marvelous book, Stephen Burt has given us a very practical and helpful guide to installing and using one's own reporting station. The Weather Observer's Handbook is an ideal companion to the practice of monitoring the atmosphere." - **Robert Henson, author of The Rough Guide to Weather and The Rough Guide to Climate Change**

"We have many amateur members and schools in our Society and I'm often asked if I can recommend a good book to help them in their observing exploits: well now I can. ... If you have an interest in observing the weather then this book is as essential as your observing equipment." - **Paul Hardaker, Chief Executive of the Royal Meteorological Society**

## Contents

Part I. The Basics: 1. Why measure the weather? A history of meteorological observations; 2. Choosing a weather station; 3. Buying a weather station; 4. Site and exposure – the basics; Part II. Measuring the Weather: 5. Measuring the temperature of the air; 6. Measuring precipitation; 7. Measuring atmospheric pressure; 8. Measuring humidity; 9. Measuring wind speed and direction; 10. Measuring grass and earth temperature; 11. Measuring sunshine and solar radiation; 12. Observing hours and time standards; 13. Dataloggers and AWS software; 14. Non-instrumental weather observing; 15. Calibration; 16. Metadata – what is it, and why is it important?; Part III. Making the Most of your Observations: 17. Collecting and storing data; 18. Making sense of the data avalanche; 19. Sharing your observations; 20. Summary and getting started.

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128 b/w illus. | 2 maps | 50 tables  
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