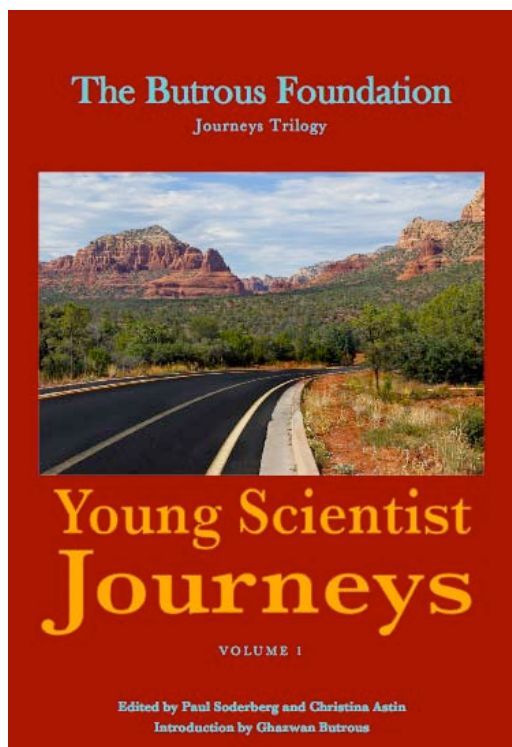


A foundation dedicated to the young scientists of the world proudly announces the publication of the first book in a trilogy written to empower today the scientists of tomorrow.

[www.ysjourneys.com](http://www.ysjourneys.com)

All proceeds from sales of this **Journeys Trilogy** to benefit The Butrous Foundation.



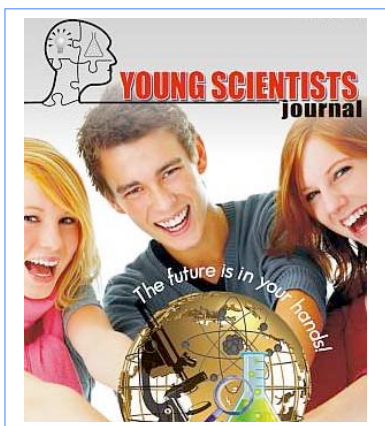
197 x 132 cm. / 7.75 x 5.25 in.  
332 pages  
colour photographs  
ISBN 978-0-9566440-0-8  
US\$ 10.95 before 18 August 2010  
US\$ 19.95 after 19 August 2010



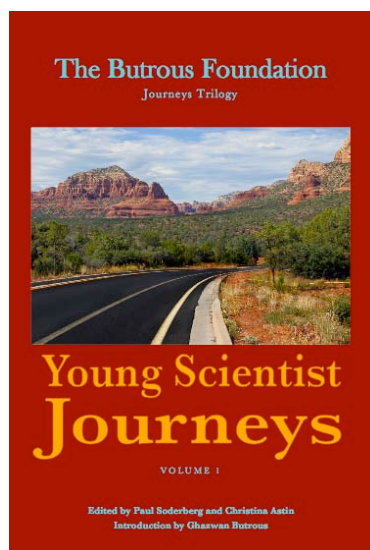
[www.butrousfoundation.com](http://www.butrousfoundation.com)

The Butrous Foundation was established in 2006 to empower young scientists. It is directed by Ghazwan Butrous, who is Professor of Cardiopulmonary Sciences at the University of Kent, Canterbury, United Kingdom.

Professor Butrous is also Patron of *The Young Scientists Journal*, the world's first scientific journal of, by, and for, all the world's scientists aged 12-20 ([www.ysjournal.com](http://www.ysjournal.com)). The *YSJ* is available online in English, Chinese, Japanese, Korean, Spanish, Portuguese, Italian, German, and French, and its editors since 2006 have been students in the United Kingdom, Ireland, the United States, Canada, Mexico, Denmark, the Netherlands, and Hong Kong.



# The Butrous Foundation's Journeys Trilogy

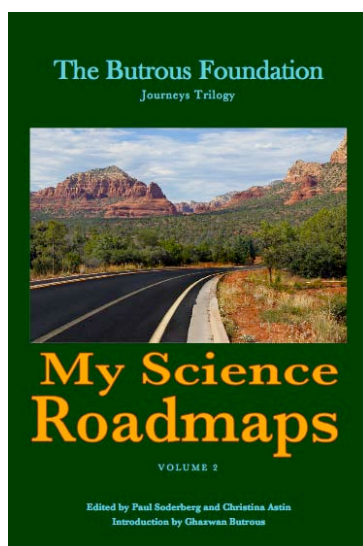


## Young Scientist Journeys

Volume 1

Published July 2010

To empower young scientists for their coming life journeys, 20 authors share their own life journeys since they were young scientists in the 1960s.



## My Science Roadmaps

Volume 2

Publication **Spring 2011**

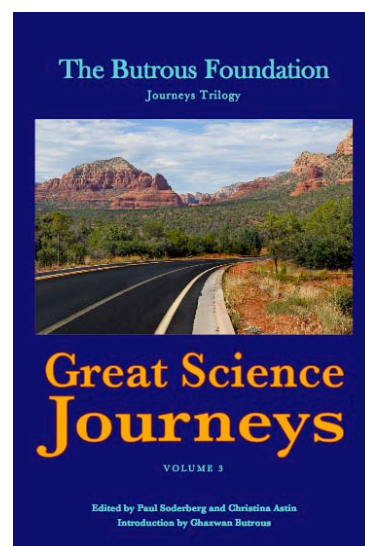
A veritable treasure map of “clues” that can lead a young scientist to a successful career and a happy life, presented within the context of the wisdom of the great gurus and teachers of Asia, Europe, Africa, and the Americas.

## Great Science Journeys

Volume 3

Publication **Fall 2011**

An elite gathering of well-known scientists reflect on their own journeys that resulted not only in personal success but also in the enrichment of humanity.



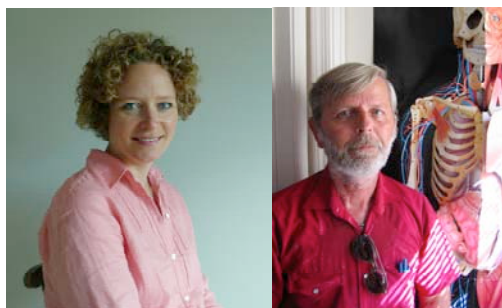
# Young Scientist Journeys

Volume 1 of the Trilogy

## The Authors

**Christina Astin** MA (Cantab), MInstP, CPhys, LTCL  
**Mike Bennett** Lt. Col. USAF (Ret.), MS, ATP  
**Vince B. Bennett Jr.** BS  
**Andy Bernay-Roman** RN, LMHC, NCC, LMT  
**Ghazwan Butrous** MD, PhD, FESC, FRSA  
**Ann Ladd Ferencz**, artist and Art educator  
**Tony Grady Jr.** Lt. Col. USAF (Ret.), MS  
**Kwon Ping Ho** Executive Chairman, Banyan Tree Holdings Ltd.  
**Jameela Lanza**  
**Ellen Jones Maxon** PhD  
**J. Glenn Morris** MD, MPH&TM  
**Susan Norlander**  
**Eva Raphaël** MPH  
**Phil Reeves** MScEd  
**Lee Riley** MD  
**Paul Soderberg**  
**Walteen Grady Truely** PhD  
**Corky Valenti** MA  
**Dee Woodhull** MS, CIH, CSP  
**Kim Pao Yu** PhD

## The Editors



**Christina Astin** is Head of Science at The King's School, Canterbury. Since its founding in 2006, she has been advisor to the student editors of *The Young Scientists Journal*, and she chairs the journal's International Advisory Board. Her own publications include "Helping Young Scientists Speak for Themselves" (*Nature*, 460, 683 [6 August 2006]), and "Teaching Relativity to 10-Year-Olds" (*School Science Review*, March 2005, p. 34). She is also an accomplished singer who has performed Mozart solos in Sweden and elsewhere. **Paul Soderberg** was the founding Editor of *The Student Science Society Bulletin* at the International School Bangkok in 1966. He was a regular contributor to *The Bombay Journal of Natural History* and *The Natural History Bulletin* of the Siam Society. In 1977 he edited *The Big Book of Halls of Fame* (New York & London: RR Bowker, 1,072 pp.), and during the 1980s he edited the world's largest-circulation fine arts newspaper.

## Contents

Introduction: <b>The Journeys Trilogy</b> , <i>Ghazwan Butrous</i> . . .	11
Chapter 1. <b>Science is All Around You</b> , Phil Reeves . . .	17
Chapter 2. <b>The Beauty of Science, and <i>The Young Scientists Journal</i></b> , <i>Christina Astin</i> . . .	19
Chapter 3. <b>The Long Journey to This Book</b> , Paul Soderberg . . .	25
Chapter 4. <b>Dare to Imagine and Imagine to Dare</b> , Lee Riley . . .	43
Chapter 5. <b>How the Science Club Helped Me Become a Human Being</b> , <i>Andy Bernay-Roman</i> . . .	55
Chapter 6. <b>Your Journey and the Future</b> , Paul Soderberg . . .	63
Chapter 7. <b>Engineering as a Ministry</b> , Vince Bennett . . .	83
Chapter 8. <b>Cold Facts, Warm Hearts: Saving Lives With Science</b> , <i>Dee Woodhull</i> . . .	99
Chapter 9. <b>My Journeys in Search of Freedom</b> , Mike Bennett . . .	107
Chapter 10. <b>Insects and Artworks and Mr. Reeves</b> , Ann Ladd Ferencz . . .	121
Chapter 11. <b>Window to Endless Fascination, Doorway to Experience for Life:</b> <b>the Science Club</b> , Kim Pao Yu . . .	129
Chapter 12. <b>Life is Like Butterflies and Stars</b> , Corky Valenti . . .	135
Chapter 13. <b>Tend to Your Root</b> , Walteen Grady Truely . . .	143
Chapter 14. <b>Lessons from Tadpoles and Poinsettias</b> , Susan Norlander . . .	149
Chapter 15. <b>It's All About Systems—and People</b> , J. Glenn Morris . . .	157
Chapter 16. <b>A Journey of a Thousand Miles</b> , Kwon Ping Ho . . .	165
Chapter 17. <b>The Two Keys to Making a Better World: How-Do</b> <b>and Can-Do</b> , Tony Grady . . .	185
Chapter 18. <b>Becoming a Scientist Through the Secrets of Plants</b> , <i>Ellen (Jones) Maxon</i> . . .	195
Chapter 19. <b>The Essence of Excellence in Everything (and the Secret of Life)</b> , <i>Jameela Lanza</i> . . .	203
Chapter 20. <b>The Families of a Scientist</b> , <i>Eva Raphaël</i> . . .	211
Appendix: Lists of Articles by Young Scientists, Past and Present . . .	229
<i>The SSS Bulletin</i> , 1966-1970 . . .	230-237
<i>The Young Scientists Journal</i> , 2008-present . . .	237-241
<b>Acknowledgements</b> . . .	243
The Other Two Titles in the <b>Journeys Trilogy</b> . . .	247
Contents of Volume 2 . . .	249
Excerpt from Volume 3: <b>A Great Scientist</b> . . .	251
<b>Index</b> . . .	273