

YEAR END FINALE

WOW! A whole year has gone by already! Time sure flies when you are having fun!

Many of you have been kind enough to send kudos in my direction for the enjoyment you get from *CRUX with MAYHEM*, but these kudos need to be spread among the many people who share in putting together each issue. I will try to mention each of them here, at the risk of inadvertently missing some, so that you can more fully appreciate how many people make a contribution before you get the finished product.

First of all, I want to thank Bruce Shawyer, the previous Editor-in-Chief, for convincing me to replace him as Editor-in-Chief. I find that I can hardly wait to get to work each day to see what kind of interesting material has arrived. Thanks, Bruce!

In the actual day-to-day production of *CRUX with MAYHEM*, there is one person who stands above the rest. That person is Bruce Crofoot, my Associate Editor. Besides putting in vast amounts of time scrutinizing drafts, Bruce's meticulous attention to detail picks up an incredible number of typos (and plain mistakes!) before we ever go to the proof readers.

There are many other people that I wish to thank most sincerely for particular contributions. These include ILIYA BLUSKOV, CHRIS FISHER, EDWARD WANG, RICK BREWSTER, BRUCE CROFOOT, and BRUCE SHAWYER (yes, he never really left!) for their regular and timely service in assessing the solutions; BRUCE GILLIGAN, for ensuring that *CRUX with MAYHEM* has quality articles; JOHN GRANT McLOUGHLIN, for ensuring that we have book reviews that are appropriate; ROBERT WOODROW for overseeing the *Olympiad Corner*; SHAWN GODIN for doing likewise with the *Skoliad*; and RICHARD GUY for being there whenever needed.

You will have noticed that we are now posing all of our Mayhem Problems and the CRUX Problems in French, as well as English. The task of doing all the translations has fallen on the shoulders of JEAN-MARC TERRIER and HIDEMITSU SAYEKI. During the year Hidemitsu has had to step down due to health reasons; his replacement is MARTIN GOLDSTEIN. I want thank all three of them for their efforts, and wish all the best to Hidemitsu.

The editors of the *MATHEMATICAL MAYHEM* section, our journal-within-a-journal, namely, SHAWN GODIN, JOHN GRANT McLOUGHLIN, PAUL OTTAWAY, and LARRY RICE, have done a great job producing a student-oriented section. Their biggest difficulty is finding interesting problems at the appropriate level. They want your help!

I also want to thank all the proofreaders. MOHAMMED AASSILA, DAVID FELDMAN, BRUCE KADANOFF, and ROGER COROAS assist the editors with this task. The quality of the work of all these people is a vital part of what makes *CRUX with MAYHEM* what it is. Thank you one and all.

I also want to thank the University College of the Cariboo and my colleagues in the Department of Mathematics and Statistics for their continued understanding and support, and for believing that my work on this journal is important enough to reduce my teaching load sufficiently to allow me to do it. Thanks, in particular, to CAROL COSTACHE, secretary to our department, who reduces the amount of time I

need to spend on the more mundane tasks associated with the journal, which allows me to do my teaching properly.

Also, the \LaTeX expertise of JOANNE LONGWORTH at the University of Calgary, SHAUNA GAMMON at Memorial University of Newfoundland, JUNE ALEONG and TAO GONG at Wilfrid Laurier University, the *MAYHEM* staff, and all others who produce material, is much appreciated.

Thanks to GRAHAM WRIGHT, the Managing Editor, who keeps me on the right track, and to the U of T Press, and TAMI EHRLICH in particular, who continue to print a fine product.

The online version of *CRUX with MAYHEM* continues to grow. We recommend it highly to you. Thanks are due to JUDI BORWEIN and the rest of the team at SFU who are responsible for this.

Last but not least, I send my thanks to you, the readers. Without you, *CRUX with MAYHEM* would not be what it is. We receive over 150 problem proposals each year, and we publish 100 of these in each volume. Of course, we receive hundreds of solutions, as you will see in the index that follows. Every year, we receive solutions from new readers. This is very gratifying. We hope that these new solvers will become regular solvers and proposers of new problems. Please ensure that your name and address is on EVERY problem or proposal, and that each starts on a fresh sheet of paper. Otherwise, there may be filing errors, resulting in a submitted solution or proposal being lost.

We need your ARTICLES, PROPOSALS, and SOLUTIONS to keep *CRUX with MAYHEM* alive and well. It is all about continued renewal! More and more proposals and solutions are arriving by email. The editor is able to process files sent in \LaTeX , in WORD, in WordPerfect, and in PDF formats, as well as (although less desirable) image files.

I wish everyone the compliments of the season, and a very happy, peaceful and prosperous year 2004.

Jim Totten

Crux Mathematicorum with Mathematical Mayhem

Editor Emeritus / Rédacteur-emeritus: Bruce L.R. Shawyer

Crux Mathematicorum

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