

## YEAR END FINALE

Again, a year has flown by! It is difficult to realize that I have now done this job for six years. My term has one year to go until the end of 2002 (I retire from Memorial University in Summer 2002), when you will have a new Editor-in-Chief.

There are many people that I wish to thank most sincerely for particular contributions. I thank most sincerely, ILIYA BLUSKOV, ROLAND EDDY, CHRIS FISHER, CLAYTON HALFYARD, GEORG GUNTHER, BILL SANDS, JIM TOTTEN, and EDWARD WANG, for their regular yeoman service in assessing the solutions; BRUCE GILLIGAN, for ensuring that we have quality articles; ALAN LAW, for ensuring that we have quality book reviews, ROBERT WOODROW, who has carried the heavy load of two corners, (but has now relinquished the Skoliad Corner to SHAWN GODIN) and RICHARD GUY for sage advice whenever necessary.

The editors of the *MATHEMATICAL MAYHEM* section, SHAWN GODIN, CHRIS CAPPADOCIA, ADRIAN CHAN, DONNY CHEUNG, JIMMY CHUI and DAVID SAVITT, all do a sterling job.

I also thank all the editors who assist with proofreading. As well, I thank MOHAMMED AASSILA for helping out in 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.

As well, I would like to give special thanks to our Associate Editor, CLAYTON HALFYARD, for continuous sage advice, and for keeping me from printing too many typographical and mathematical errors; and to my colleagues, YURI BAHTURIN, HERMAN BRUNNER, ROLAND EDDY, ANDY FOSTER, EDGAR GOODAIRE, MAURICE OLESON, MIKE PARMENTER, DAVID PIKE, DONALD RIDEOUT, NABIL SHALABY, BRUCE WATSON, in the Department of Mathematics and Statistics at Memorial University, and to JOHN GRANT McLOUGHLIN, Faculty of Education, Memorial University (who will succeed Alan Law as Book Reviews Editor for 2002), for their occasional sage advice. I have also been helped by some Memorial University students, RENEÉ BARTER, ANDREA BURGESS, KARELYN DAVIS, MARK DAVIS, ALASDAIR GRAHAM, JONATHAN KAVANAGH, SHANNON SULLIVAN, as well as WISE Summer students, JILLIAN CLARKE, WENDY KELLY and STEPHANIE LINEHAN.

As noted earlier, ALAN LAW has completed his term as Book Reviews Editor. I have really enjoyed my association with Alan over the past eight years. He was one of the people who persuaded me to take on this job, and I was delighted to repay the compliment, and have him as Book Reviews Editor. Thanks, Alan, and all the very best.

The staff of the Department of Mathematics and Statistics at Memorial University deserve special mention for their excellent work and support: ROS ENGLISH, MENIE KAVANAGH, WANDA HEATH, and LEONCE MORRISSEY; as well as the computer and networking expertise of DWAYNE HART, CRAIG SQUIRES and MARIAN WISSINK.

Also the  $\text{\LaTeX}$  expertise of JOANNE LONGWORTH at the University of Calgary, JUNE ALEONG at Wilfred 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, who continue to print a fine product.

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

Finally, I would like to express real and heartfelt thanks to the Head of my Department, HERBERT GASKILL, and to the Dean of Science, BOB LUCAS. Without their support and understanding, I would not be able to do the job of Editor-in-Chief.

Last but not least, I send my thanks to you, the readers of **CRUX with MAYHEM**. Without you, **CRUX with MAYHEM** would not be what it is. We receive about 150 proposals each year, and, as you know, we publish 100 problem proposals 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 pleasing. More and more proposals and solutions are arriving by email. The editor is able to process files sent in  $\text{\LaTeX}$ , in WORD and in WordPerfect formats, as well (although less desirable) image files. One small reminder: please ensure that your name and address is on EVERY problem or proposals, and that each starts on a fresh sheet of paper. Otherwise, there may be filing errors, resulting in a submitted solution being lost.

Keep those contributions and letters coming in. We need your ARTICLES, PROPOSALS and SOLUTIONS to keep **CRUX with MAYHEM** alive and well. I do enjoy knowing you all.

Wishing all our readers the compliments of the season, and a very happy, peaceful and prosperous year 2002.

Bruce Shawyer

## Awards of Subscriptions to *CRUX with MAYHEM*

Through the generosity of a regular subscriber to *CRUX with MAYHEM*, the Canadian Mathematical Society is very grateful to be able to award complimentary subscriptions to assist students in some developing countries. The criterion for the award is good performance by a student from that country at the IMO.

Two subscriptions for a three-year period (2001 to 2003) have been awarded to the schools attended by students from Peru and Uruguay. We wish the teachers and students from these schools “Happy Problem Solving”, and good luck for the 2002 IMO.

- GAUSS SCHOOL  
Jiron Pukin 131  
Urbanizacion Tungasuca  
Lima - 6  
Peru
  
- LICEO RINCÓN DE LA BOLSA  
Ruta 1 Km. 26, 500  
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Uruguay

The Editorial Board of *Crux Mathematicorum with Mathematical Mayhem* expresses its thanks to the donor, congratulates the students involved, and welcomes these schools to the *CRUX with MAYHEM* family.

### Miscellaneous

Johannes Waldmann reports an investigation on problem 2548 — he has more data. He checked that at step 953494 of the sequence, all numbers up to 22949 have occurred, and the maximal element up to that point is 1655261568 (at step 688664).

In problem 2545, we inadvertently attributed a solution to Andy Liu instead of Henry Liu. Apologies to both.

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**David Loeffler** C100

**Christopher Long** C91

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