SYNOPSIS

449 The Academy Corner: No. 15  Bruce Shawyer
Featuring the Memorial University Undergraduate Mathematics Competition 1997.

450 The Olympiad Corner: No. 186  R.E. Woodrow
Featuring problems proposed to the Jury, but not used, at the 37th International Mathematical Olympiad, July 1996 in Mumbai, India; the Croatian National Mathematical Competition, 1997; readers' solutions to the “Baltic Way — 92” contest; and some readers' solutions to the 1993 Iberoamerican Mathematical Olympiad 1993, held in Mexico.

467 Book Review  Andy Liu
This month's book is:  
Learn from the Masters!  
by Frank Swetz, John Fauvel, Otto Bekken, Bengt Johansson, Victor Katz  
reviewed by Maria de Losada, Bogotá, Colombia.

468 Dissecting Rectangular Strips Into Dominoes  
Frank Chen, Kenneth Nearey and Anton Tchernyi  
Three Edmonton, Alberta, high school students investigate the dissection, in several different ways, of rectangles with integer sides into dominoes (rectangles that are $2 \times 1$ or $1 \times 2$).

473 The Skoliad Corner: No. 26  R.E. Woodrow  
Featuring the 1996 Kangourou Des Mathématiques, Épreuve Européenne; and the solutions (taken from the web site) of the Second Round of the 1997 Alberta High School Mathematics Competition.
The Equation of the Tangent to the $n^{th}$ Circle

Krishna Srinivasan

Combination Games

Adrian Chan

Mayhem Book Reviews

Donny Cheung

The Art of Problem Solving: A Resource for the Mathematics Teacher
Students! Get Ready for the Mathematics for SAT I

Teachers! Prepare Your Students for the Mathematics for SAT I

J. L. R. McKnight Problems Contest 1980

Mayhem Problems

High School Solutions; H214, 215, 216

Advanced Solutions: A191

Challenge Board Solutions; C70, 71

This month’s “free sample” is:

2298. Proposed by Bill Sands, University of Calgary, Calgary, Alberta.

The “Tickle Me” Feather Company ships its feathers in boxes which cannot contain more than 1 kg of feathers each. The company has on hand a number of assorted feathers, each of which weighs at most one gram, and whose total weight is 1000001/1001 kg.

Show that the company can ship all the feathers using only 1000 boxes.

Solutions: 2178–2197

YEAR END FINALE and INDEX for 1997.

Note: this is a “bumper” 96-page issue. We promised you 512 pages for the year — we have given you 544!