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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 Coratian 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 2×1 or 1×2).

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.

482 Mathematical Mayhem

482 Shreds and Slices

482 A Note on Convexity

485 The Equation of the Tangent to the n^{th} Circle

Krishna Srinivasan

487 Combinatorial Games

Adrian Chan

491 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

493 J.I.R. McKnight Problems Contest 1980

493 Mayhem Problems

494 High School Solutions; H214,215,216

496 Advanced Solutions; A191

496 Challenge Board Solutions; C70,71

500 Problems: 2287–2300

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.

504 Solutions: 2178–2197

538 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!