SYNOPSIS

481 Skoliad No. 137  Lily Yen and Mogens Hansen
- Concours de L’Association mathématique de Québec, 2011
Ordre secondaire
- Mathematics Association of Quebec Contest, 2011
Secondary level
- Solutions to questions of the Baden-Württemberg Mathematics Con-
test, 2010

488 Mathematical Mayhem  Shawn Godin
488 Mayhem Year End Wrap Up
489 Mayhem Problems:  M513–M518
491 Mayhem Solutions:  M476–M481

495 The Olympiad Corner: No. 298  R.E. Woodrow and Nicolae Strungaru
495 Olympiad Corner Problems:  OC51–OC60
In this Corner are solutions from readers to some problems from
- Croatian Mathematical Competition 2007, National Competition, 4th
Grade
- 51st National Mathematical Olympiad in Slovenia, Selection Examina-
tions
- Correspondence Mathematical Competition in Slovakia 2006/7 First
Round, First Set
- Latvian School Mathematical Olympiad, Grade 11
- Latvian Mathematical Olympiad, Grade 12
- Finnish National High School Mathematics Competition, Final Round
- IX Olimpiada Matemático de Centramérica y el Cariba, 2007

526 Book Reviews  Amar Sodhi
526 Loving + Hating Mathematics: Challenging the Myths of Mathematical
Life
by Reuben Hersh and Vera John-Steiner
Reviewed by Georg Gunther
Recurring Crux Configurations 4: J. Chris Fisher

This new, occasionally appearing column, highlights situations that reappear in Crux problems. In this issue problem editor J. Chris Fisher examines bicentric quadrilaterals. Enjoy!

That old root flipping trick of Andrey Andreyevich Markov
Gerhard J. Woeginger

The author illustrates how a straightforward fact about the roots of certain quadratic equations can be used to solve a variety of questions. Examples include many problems from various mathematical Olympiads.

Problems: 3670, 3688–3700

This month’s “free sample” is:

3689. Proposed by Ivaylo Kortezov, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Sofia, Bulgaria.

In a group of \( n \) people, each one has a different book. We say that a pair of people performs a swap if they exchange the books they currently have. Find the least possible number \( E(n) \) of swaps such that each pair of people has performed at least one swap and at the end each person has the book he or she had at the start.