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SYNOPSIS

385 Contributor Profile: Walther Janous

386 Skoliad: No. 105 *Robert Bilinski*

- National Bank of New Zealand Junior Mathematics Competition 2004
- Compétition 2004 junior de mathématiques de la Banque Nationale de Nouvelle-Zélande
- les solutions du concours de l'Association Mathématique du Québec 2005

397 Mathematical Mayhem *Jeff Hooper*

397 Mayhem Problems: M304, M313–M318

399 Mayhem Solutions: M263–M268

404 Problem of the Month *Ian VanderBurgh*

407 Pólya's Paragon: Now You See It, Now You Don't *Jeff Hooper*

410 The Olympiad Corner: No. 265 *R.E. Woodrow*

Featuring the XXV Brazilian Mathematical Olympiad 2003; the 2004 Republic of Moldova, First, Second, and Third Selection Tests; the Sixth Hong Kong (China) Mathematical Olympiad; the Swedish Mathematical Contest 2003–04; the 2004 German Mathematical Olympiad, Final Round, Grades 12–13; and readers' solutions to some of the problems from

- the Hungarian Mathematical Olympiad 2002–2003;
- the Belarus Mathematical Olympiad 2002, Categories A, B, and C;

426 Book Reviews *John Grant McLoughlin*

426 *Mathematical Delights*

by Ross Honsberger

Reviewed by Ed Barbeau

427 *aha! A two volume collection*

by Martin Gardner

Reviewed by Amar Sodhi

428 Problems: 3276–3288

This month's "free sample" is:

3288. *Proposed by Ovidiu Furdui, student, Western Michigan University, Kalamazoo, MI, USA.*

Let n be a positive integer. Evaluate the sum:

$$\sum_{i=0}^{\lfloor \frac{n-1}{2} \rfloor} \binom{n-i-1}{i} \frac{2^{n-2i-1}}{n-2i},$$

where $\lfloor x \rfloor$ is the integer part of x .

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3288. *Proposé par Ovidiu Furdui, étudiant, Western Michigan University, Kalamazoo, MI, É-U.*

Soit n un entier positif. Evaluer la somme :

$$\sum_{i=0}^{\lfloor \frac{n-1}{2} \rfloor} \binom{n-i-1}{i} \frac{2^{n-2i-1}}{n-2i},$$

où $\lfloor x \rfloor$ est la partie entière de x .

433 Solutions : 3027, 3176, 3178–3188