

MATH



Monograph No. 10

Editor: Daiyo Sawada

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Communication Communication Communication Communication

in the **MATHEMATICS**

CLASS



ROOM

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Communication in the Mathematics Classroom October 1992

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Contributors

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Susan Burgoyne is a former mathematics consultant for the Calgary Board of Education. Susan is also a teacher-consultant for the Calgary Writing Project and is incorporating writing in math with a Grade 3 class at Sundance Elementary School in Calgary.

Barbara J. Morrison is mathematics supervisor for the Calgary Catholic School Board. She formerly headed the mathematics department at Bishop Carroll High School. Barb has contributed to Nelson Canada's *Math in Context*, *Math Matters* and *Mathematics Principles and Process* series. Barb has also been active on Alberta Education and Distance Learning Curriculum committees on mathematics and at provincial mathematics conferences over the past decade.

David Pimm is a senior lecturer in mathematics education at the Open University in Great Britain. He prepares written, video and computer-based materials for teachers at all levels. His research interests are in the interrelations between language and mathematics and analyzing classroom discourse in particular, and he wrote *Speaking Mathematically: Communication in Mathematics Classrooms* (London: Routledge, 1987) on the topic. During the 1991-92 academic year, David was on leave at Simon Fraser University.

Yvonne Pothier is associate professor of mathematics education at Mount Saint Vincent University in Halifax. A former elementary and secondary school teacher, Yvonne teaches professional development courses for teachers, including graduate education. As part of her research, she has conducted clinical interviews with several hundred elementary school children and, in recent years, has taught Grades 1-6 in short-term collaborative teaching projects.

Daiyo Sawada is a professor in the University of Alberta's Elementary Education department where, among other things, he teaches ED EL 396 "Communication Through Mathematics." He is a member of the current MCATA executive and was program director for the 1991 MCATA annual conference in Edmonton. Daiyo is also principal author for *MathWorlds*, a new mathematics program for Alberta's elementary schools being developed by Reidmore Books. His most recent interest has been in a literary approach to mathematics.

Laurie Walker has taught and studied English language arts for many years and is an education professor and associate vice-president (academic) at the University of Lethbridge. Language-Across-the-Curriculum took him to the language of mathematics as an issue in children's successful acquisition of numeracy.