

**THE CANADIAN JOURNAL  
OF  
NURSING RESEARCH**

*Nursing Papers*

Spring/Printemps 1989 Vol. 21 No. 1

**REVUE CANADIENNE  
DE RECHERCHE  
EN SCIENCES INFIRMIÈRES**

*The Canadian Journal of Nursing Research*  
*Revue canadienne de recherche en sciences infirmières*

Volume 21, No. 1

Spring/Printemps, 1989

EDITOR/RÉDACTRICE EN CHEF

MARY ELLEN JEANS, Ph.D. (McGill), Director and Professor, School of Nursing, and Associate Dean (Nursing), Faculty of Medicine, McGill University.

ASSOCIATE EDITORS/RÉDACTRICES ADJOINTES

JOAN ANDERSON, Ph.D. (U.B.C.), Professor and National Health Scholar, Faculty of Nursing, University of British Columbia.

LESLIE F. DEGNER, Ph.D. (Michigan), Professor, School of Nursing, University of Manitoba.

MARIE-FABIENNE FORTIN, Ph.D. (McGill), Professeur titulaire et Adjointe au Doyenne pour la recherche, Faculté des sciences infirmières, Université de Montréal.

ANNETTE O'CONNOR, Ph.D. (Toronto), Associate Professor, School of Nursing, and Vice Dean - Research, Faculty of Health Sciences, University of Ottawa.

MANAGING EDITOR/ADJOINT ADMINISTRATIF

ANDREW FERGUSON

REVIEW BOARD/COMITÉ DE LECTURE

CHRISTOPHER A. ARMSTRONG-ESTHER, Ph.D.  
*University of Lethbridge*

SUZAN BANOUB, D.N.Sc.  
*Memorial University of Newfoundland*

SHARON OGDEN BURKE, Ph.D.  
*Queen's University*

CYNTHIA CAMERON Ph.D.(Cand.)  
*University of Manitoba*

MADELEINE CLÉMENT, M.N.  
*Université de Montréal*

BEVERLEE-ANN COX, Ph.D.  
*University of Western Ontario*

ELIZABETH DAVIES, Ph.D.  
*University of British Columbia*

GEORGETTE DESJEAN, Ph.D.  
*Université de Montréal*

SANDRA FAUX, Ph.D.  
*University of Western Ontario*

MARGARET FITCH, Ph.D.  
*Toronto General Hospital and University of Toronto*

LAURIE GOTTLIEB, Ph.D.  
*McGill University*

LESLIE K. HARDY, Ph.D.  
*Memorial University of Newfoundland*

JEAN JENNY, M.Ed., M.S.N.  
*University of Ottawa*

JUNE F. KIKUCHI, Ph.D.  
*University of Alberta*

JANETTA MCPHAIL, Ph.D.  
*University of Alberta*

PATRICIA McKEEVER, M.Sc.(A)  
*University of Toronto*

ALBA MITCHELL, M.Sc.  
*McMaster University*

JANICE M. MORSE, Ph.D., Ph.D.  
*University of Alberta*

CAROLYN PEPLER, Ph.D.  
*Royal Victoria Hospital and McGill University*

DOROTHY PRINGLE, Ph.D.  
*Victorian Order of Nurses for Canada*

CAROLYN ROBERTS, Ph.D.  
*Arizona State University*

NICOLE ROUSSEAU, Ph.D.  
*Université Laval*

KATHILEEN ROWAT, Ph.D.  
*McGill University*

COLLEEN STANTON, D.N.Sc.  
*University of Calgary*

JOAN G. STELLING, Ph.D.  
*Montreal Children's Hospital and McGill University*

PHYLLIS NOERAGER STERN, D.N.S., F.A.A.N.  
*Dalhousie University*

MARILYN D. WILLMAN, Ph.D.  
*University of British Columbia*

## EDITORIAL REPRESENTATIVES REPRÉSENTANTS DE LA RÉDACTION

CYNTHIA LOOS, *Lakehead University*  
COLETTE GENDRON, *Université Laval*  
ROSE KINASH, *University of Saskatchewan*  
ALBERTA CASEY, *University of Ottawa*  
PEG EARLE, *Memorial University of Newfoundland*  
DONNA FOLEY, *University of Windsor*  
JO-ANN FOX, *McMaster University*  
DIANA GENDRON, *University of Toronto*  
DONELDA ELLIS, *University of British Columbia*  
ELLEN MacFARLANE, *St. Francis Xavier University*  
JOYCE MacQUEEN, *Laurentian University*  
CAROLYN B. ATTRIDGE, *University of Victoria*  
IRENE NORDWICH, *University of Manitoba*  
JULIENNE PROVOST, *Université de Montréal*  
SUSAN LASCHINGER, *Queen's University*  
MARGARET DOW, *University of Calgary*  
DOROTHY WASSON, *University of New Brunswick*  
JEANETTE DOUCET, *Université de Moncton*  
SHARON RICHARDSON, *University of Alberta*  
SANDRA KNOWLES, *McGill University*  
JUDY PEARCE, *Ryerson Polytechnical Institute*  
SANDRA FAUX, *University of Western Ontario*  
LINDA BERRY, *Dalhousie University*

The *Canadian Journal of Nursing Research/Revue canadienne de recherche en sciences infirmières* is published quarterly by the School of Nursing, McGill University, 3506 University Street, Montreal, Quebec, H3A 2A7. Letters regarding subscriptions, changes of address and other business matters should be sent to the Managing Editor.

**SUBSCRIPTION RATES:** Institutions (including hospitals, schools, libraries and agencies): \$36/one year; \$68/two years. Individual subscriptions: \$30/one year; \$56/two years. Students \$16/one year. Subscriptions through CAUSN \$26/one year; \$50/two years. Please add \$5/year for overseas airmail service.

**ADVERTISEMENTS:** Full-page display \$350; half-page display \$225.

**BACK ISSUES:** are available at \$8/copy or \$30/year. Xerox copies of articles are available at 25¢/page, or a minimum of \$3/article.

To ensure prompt service when you write us about your subscription, please include the address label from your *The Canadian Journal of Nursing Research* mailing envelope.

**ABONNEMENTS:** Institutions (ce qui comprend les hôpitaux, les écoles, les bibliothèques et les agences): 36\$ pour une année; 68\$ pour deux ans. Abonnements individuels: 30\$ pour une année; 56\$ pour deux ans. Étudiants: 16\$ pour une année. Veuillez ajouter 5\$ de plus pour les envois par avion outremer.

**ANNONCES:** 350\$ la page; 225\$ la demi-page

**ANCIENS NUMÉROS:** 8\$ le numéro ou 30\$ par année. On peut se procurer les photocopies d'articles pour 25¢ la page ou 3.00\$ minimum par article.

Pour accélérer le service dans toute correspondance relative à votre abonnement, veuillez inclure l'étiquette de l'enveloppe dans laquelle vous sont envoyées les *Revue canadienne de recherche en sciences infirmières*.

This issue has been supported by MRC (SR-1) and SSHRC (441-88-0104) grants.  
Nous avons reçu les subventions du CRM (SR-1) et du CRSNC (441-88-0104) pour cet numéro.

**ISSN 0844-5621**

Dépot légal - 1er trimestre 1974; Bibliothèque Nationale du Québec

Copyright: McGill University, School of Nursing, 1988.