

Canadian Journal of Neurological
Sciences

Le Journal Canadien Des Sciences
Neurologiques

Volume 4

January to December, 1977

Editorial Advisory Board

C. Miller Fisher
Boston

J. C. Richardson
Toronto

Frank B. Walsh
Baltimore

Donald B. Tower
Bethesda

Editorial Board

Murray L. Barr
London

Donald W. Baxter
Montreal

Claude Bertrand
Montreal

Guy Courtois
Montreal

John G. Humphrey
Toronto

Alan J. McComas
Hamilton

Douglas A. McGreal
Toronto

George Monckton
Edmonton

D. G. Montemurro
London

T. P. Morley
Toronto

Dwight Parkinson
Winnipeg

J. W. Phillis
Saskatoon

Louis J. Poirier
Quebec

T. B. Rasmussen
Montreal

Neil B. Rewcastle
Toronto

J. C. Szerb
Halifax

Margaret W. Thompson
Toronto

John A. Wada
Vancouver

Leonhard S. Wolfe
Montreal

Associate Editor

André Barbeau
Montreal

THE EDITORIAL BOARD wishes to publish original work in the basic and clinical neurosciences on the understanding that it has not been and will not be published elsewhere. Review articles on timely subjects will be accepted. Manuscripts must be in duplicate including illustrations. One of the copies must be the original, ribbon copy. Manuscripts should be typed double spaced, on white paper.

Papers will be accepted in French or English. All papers should be accompanied by a short résumé in both languages. The résumé translation will be done by the editorial board if requested.

Papers should be identified only by the full name of the author, or authors, and the name of the place in which the work was done.

ILLUSTRATIONS: Photographs should be unmounted on glossy paper and show magnification scale. They should be marked on the back with figure number, title of paper and name of author.

Diagrams should be in India ink and large enough to be informative after reduction.

All illustrations should be referred to as figures, numbered consecutively, not included in the body of the text and

Editor

R. T. Ross
Winnipeg

all captions should be typed on a separate piece of paper.

Colored illustrations cannot usually be accepted unless the author is prepared to assist with the cost of reproduction.

REFERENCES to authors outside the context of the sentence should read (Name, Year). *i.e.* "However, a recent study (Bird and Iverson, 1975) showed a decreased, etc." Authors mentioned within the context of the sentence should read Name (Year). *"i.e.* twenty years since Ecker and Reimshender (1951) demonstrated, etc." References should be typed in alphabetical order on a separate sheet and include author's name, initials, year, title, publication, volume, first and last page, *i.e.* Isacson, P. (1967). Myxoviruses and autoimmunity. *Progress in Allergy*, 10, 256-292. Abbreviations should be the same as those used in *Cumulated Index Medicus*.

Textbook references should include name of text, author's name, page number, publisher and city.

REPRINTS: Fifty reprints will be supplied free if ordered when the galley proofs are returned. More may be ordered at a nominal charge. Corrections and changes in the galley proofs, apart from printer's errors may be charged to the author.

Editorial Assistant

Angela B. Ross
Winnipeg

This journal is indexed by **Index Medicus**, **Excerpta Medica** and **Current Contents — Clinical Practice and Life Science**.

SUBSCRIPTIONS This journal is issued four times a year. The annual rate is \$24.00 (Canadian); Internes, Residents, Pre- and Post-Doctoral Students, \$12.00 per annum. Single copies \$10.00 each.

ADVERTISING. Enquiries regarding advertising space and rates should be directed to LEX LTD. VANCO PUBLICATIONS, 2 Tremont Crescent, Don Mills, Ontario M3B 2S1.

All communications, manuscripts, subscriptions, etc., should be sent to the Editor, at 1516 233 Kennedy St., Winnipeg, Canada R3C 3J5.

COPYRIGHT © 1977 by THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES INC. No part of this journal may be reproduced in any form without the prior permission of The Canadian Journal of Neurological Sciences.

Printed by The Public Press Limited, 1760 Ellice Avenue, WINNIPEG, Manitoba R3H 0B6.

Mailed under second class registration number 3307. Postage paid at Winnipeg, Manitoba.

Special Communication: Principles of Diagnosis in Neurology — J. Clifford Richardson	1
Transfer and Interference in Amygdaloid Kindling in Cats — Akira Wake and Juhn A. Wada	5
Hyperlipoproteinemia and Cerebral Strokes Anatole S. Dekaban, Jan K. Steusing and Harold Stevens	13
Mechanisms of the "Low Flow" State During Resuscitation of the Totally Ischemic Brain — W. A. Tweed, J. G. Wade and W. J. Davidson	19
An Autoradiographic Study of Muscular Dystrophy, Motor Neuron Disease and Charcot-Marie-Tooth Disease — George Monckton and Halyna Marusyk	25
Response Recovery Cycles in the Visual Cortex and Superior Colliculus Following Conditioning "On" and "Off" Stimulation in the Rabbit Stéphane Molotchnikoff and Michel Dubuc	31
Wicket Spikes: Clinical Correlates of a Previously Undescribed EEG Pattern — Jean Reiher and Michel Lebel	39
Cataleptic Effect of 61-91 Beta-Lipotropic Hormone in Rat T. Motomatsu, M. Lis, N. Seidah and M. Chrétien	49
Regional Cerebral Blood Flow: Statistical Patterns and Psychological Performance in Multi-Infarct Dementia and Alzheimer's Disease Francisco I. Perez, Ninan T. Mathew, David A. Stump and John S. Meyer	53
Hémidissection Pariétal Oblitérante des Vaisseaux Intracrâniens, Une Forme Particulière D'Anévrisme Disséquant — F. Gagne, M. Lemay et S. Verret	63
Pigment Variant of Neuronal Ceroid-Lipofuscinosis (Kufs' Disease) Dikran S. Horoupian and R. T. Ross	67
Myopathy Associated with Amyloid Angiopathy Joseph Bruni, Juan M. Bilbao and Kenneth P. H. Pritzker	77
Announcements and Books Received	xiii

Recent Progress — Slow Infections of the Central Nervous System — Laurence E. Becker	81
Distribution of Anticonvulsant Drugs in Gray and White Matter of Human Brain — C. D. Harvey, A. L. Sherwin, and E. VanDerKleijn	89
Effects of Antihypertensive Drugs on Blood Velocity: Implications for Prevention of Cerebral Vascular Disease — J. David Spence	93
Intracranial Aneurysms: A Clinical, Angiographic and Computerized Tomographic Study — Bryce Weir, Jack Miller and Don Russell	99
Dorsal Frontal, Orbital and Mesial Frontal Cortical Lesion and Amygdaloid Kindling in Cats — J. A. Wada and Akira Wake	107
An Electrophysiological Method for Examining Lumbosacral Root Compression — Andrew Eisen, Donald Schomer and Calvin Melmed	117
Ribonuclease Activity of Human Cerebrospinal Fluid E. Z. Rabin, V. Weinberger and B. Tattie	125
Relevance in Undergraduate Neurological Teaching — T. J. Murray	131
Parkinsonism — Dementia Complex, Hydrocephalus and Paget's Disease — M. I. Botez, Gilles Bertrand, Jean Léveillé and Luc Marchand	139
Announcements	xv

Transient Monocular Blindness — R. T. Ross	143
The Role of Cyclic Nucleotides in the CNS — John W. Phillis	151
Haloperidol Induced Dyskinesias in the Monkey P. Bédard, J. Delean, J. Lafleur and L. Larochelle	197
Fundamental Nature of Human Infant's Brain Asymmetry John A. Wada and Alan E. Davis	203
A Non-Permanent Tonic Pupil in Rheumatoid Arteritis David I. Victor, W. Richard Green, Walter J. Stark and Frank B. Walsh	209
Giant Cell Tumor of the Sphenoid Bone Rasikbala Doshi, Abdul Basit Chaudhari and Gordon Thomson	213
Scientific Programme of the 12th Canadian Congress of Neurological Sciences	217
Notices	xiv

Vascular Amyloid in the Aging Central Nervous System Joseph Bruni, Juan M. Bilbao and Kenneth P. H. Pritzker	239
Cerebral Hemodynamics in Migraine V. C. Hachinski, J. Olesen, J. W. Norris, B. Larsen, E. Enevoldsen and N. A. Lassen	245
Pure Spastic Paralysis of Corticospinal Origin — C. M. Fisher	251
Lumbo-Sacral Radiculopathy Induced by Radiation E. M. Ashenurst, G. R. C. Quartey and A. Starreveld	259
A Community Neurologist's Personal Viewpoint on Neurological Training Charles A. Simpson	265
Central Nervous System Vasculitis in Rheumatoid Arthritis Peter Watson, John Fekete and John Deck	269
Afterdischarge Thresholds and Kindling Rates in Dorsal and Ventral Hippocampus and Dentate Gyrus — Ronald Racine, Patty A. Rose and W. M. Burnham	273
Seven Cases of Gilles de la Tourette's Syndrome: Partial Relief with Clonazepam: A Pilot Study — M. Gonce and A. Barbeau	279
Platelet Dopamine Uptake in Huntington's Chorea and Gilles de la Tourette's Syndrome: Effect of Haloperidol — Roger F. Butterworth, Michel Gonce and André Barbeau	285
Index to Volume 4	(i)