

JOURNAL OF Dental Research

Founded by William J. Gies in 1919

Official publication of the International Association for Dental Research and all of its divisions. The Journal is owned and managed by the American Association for Dental Research, 211 East Chicago Avenue, Chicago, Illinois 60611

The *Journal of Dental Research* is dedicated to the dissemination of knowledge pertaining to the oral cavity, its contents and contiguous parts, and its relation to and effect on the total human organism. The *Journal* publishes original investigations in these and related fields.

EDITOR

David F. Mitchell, 410 Beauty Ave, Indianapolis, Ind 46202. Telephone: (317) 264-8822.

ASSOCIATE EDITORS

W. W. Briner and I. Mandel

PUBLICATION COMMITTEE

H. M. Myers, J. A. Gray, I. Mandel, W. W. Briner, A. R. Frechette, D. F. Mitchell, *chairman*

ADVISORY EDITORIAL BOARD

K. Asgar	J. W. McLean
R. A. Bagramian	C. H. Miller
J. O. Beck	D. F. G. Poole
M. E. J. Curzon	G. H. Prescott
A. H. El-Kafrawy	N. W. Rupp
S. A. Ellison	M. Shear
R. D. Emslie	M. R. Skougaard
J. M. Goodson	G. K. Stookey
H. V. Jordan	H. J. Van Hassel
D. W. Lewis	J. J. Vogel

EDITORIAL ASSISTANTS

Dinah Rockwell and Trone Mitchell

MANUSCRIPT EDITORS

Karen Knaff and Jan-Marie Bugielski

PUBLISHER

American Dental Association, 211 E Chicago Ave, Chicago, Ill 60611. Managing Editor: John B. Goetz; Editorial Supervisor: Mary Konstant.

ADVERTISING

Frank J. Cordero, director; Ernest E. Ocker, advertising production manager; Frances A. Urban, advertising production assistant; Michael E. Yukich, sales promotion manager; Daniel J. Pawlak, eastern sales representative; John F. Ziola, midwestern sales representative; phone (312) 944-6730. West Coast representative: Jobson, Jordan, Harrison & Schulz, Inc., 57 Post St, San Francisco, 94104; phone (415) 392-6794-1901 W 8th St, Los Angeles, 90057; phone (213) 483-8530.

Advertising copy must conform to the official standards established by the American Dental Association. All correspondence pertaining to advertising should be addressed to Frank J. Cordero of the ADA.

SUBSCRIPTIONS AND CHANGE OF ADDRESS

For *IADR* members: Arthur R. Frechette, Secretary-Treasurer, International Association for Dental Research, 211 E Chicago Ave, Chicago, Ill 60611. Telephone (312) 337-1645.

For *non-IADR-member* subscriptions: Ann Ryba, ADA Subscription Department, 211 E Chicago Ave, Chicago, Ill 60611. Subscription rate: \$35.00 per year, single copy \$6.00.

Please notify the ADA Subscription Department, and your local postmaster, of changes of address, giving both the old and the new address. Please allow six weeks for the change. Claims for missing numbers should be made within the month following the regular month of publication. The publisher expects to supply missing numbers free only when losses have been sustained in transit and when the reserve stock will permit. *Neither the publisher nor the IADR keeps a reprint file.*

BACK ISSUES

For *issues 1919-1969*: Arthur R. Frechette, *IADR*, 211 E Chicago Ave, Chicago, Ill 60611.

For *issues after 1969*: Ann Ryba, ADA Subscription Department, 211 E Chicago Ave, Chicago, Ill 60611.

JDR EDITORIAL OFFICE

All manuscripts (see instructions to authors, January-February and July-August issues) and manuscript correspondence should be addressed to David F. Mitchell, Editor, 410 Beauty Ave, Indianapolis, Ind 46202. Articles are accepted only if they are contributed solely to this *Journal*.

The *Journal* is published bimonthly with a special issue in February at 510 N Hickory St, Champaign, Ill 61820 by the American Dental Association for the American Association for Dental Research.

Second-class postage paid at Chicago and additional mailing office. Printed in USA. Copyright © 1974 by the American Association for Dental Research.