

CPJ

APRIL 1974 VOLUME 11

TABLE OF CONTENTS

The Effect of Cleft Palate on Oral Port Construction During Fricative Productions	
William H. Claypoole, D.M.D., M.S., Donald W. Warren,	
D.D.S., Ph.D., and Doris P. Bradley, Ph.D.	95
MONITORING THE HUMAN ABORTUS FOR DEVELOPMENTAL DEFECTS	00
Alphonse E. Burdi, Ph.D., Mason Barr, M.D., Bruce A. Work,	
M.D. and Arthur D. Bloom, M.D.	105
SPEECH SOUND DISCRIMINATION SKILLS OF SEVEN AND EIGHT YEAR	100
OLD CLEFT PALATE MALES	111
EFFECT OF VITAMIN A ON THE POTENTIALITY OF RAT PALATAL	
PROCESSES TO FUSE IN VIVO AND IN VITRO	
Ravindra Nanda, B.D.S., M.D.S., Ph.D.	123
QUANTITATIVE ANALYSIS OF CLEFT PALATE CASTS—A GEOMETRIC	
STUDYSamuel Berkowitz, D.D.S., Jeffrey Krischer, M.S. and	
Samuel Pruzansky, D.D.S.	134
CEPHALOMETRIC COMPARISONS ON THE CRANIAL BASE AND FACE IN	101
INDIVIDUALS WITH ISOLATED CLEFTS OF THE PALATE	
Samir E. Bishara, D.D.S., D.Orth, M.S. and	
William W. Iversen, D.D.S., M.S.	162
CLEFT PALATE PARENT GROUPS	x0-
Laura Lipski, R.N. and Mary Pannbacker, Ph.D.	176
OBJECT IDENTIFICATION AND NAMING IN CLEFT PALATE CHILDREN	
Donald G. Brennan, M.A. and Walter L. Cullinan, Ph.D.	188
Adenoidal Atrophy, Velopharyngeal Incompetence and	100
SUCKING EXERCISES: A TWO YEAR FOLLOW-UP CASE REPORT	
Raymond Massengill, Jr., Ed.D. and Galen Quinn, D.D.S., M.S.	196
Assessment of Articulation for Children with Cleft Palate	100
D. R. Van Demark, Ph.D.	200
NONINVASIVE ELECTROMETRIC DETECTION OF NASAL ESCAPE IN	200
PATIENTS WITH RHINOPHONIA	
Mutaz B. Habal, M.D., F.R.C.S.(C) and	
Omar H. Mardam-Bey, Ph.D.	209
A New Method for Correction of Cleft Lip Nasal Deformities	-00
Nabil I. Elsahy, F.R.C.S.(C)	214
ANIMATION AND COSMETIC BALANCE IN REPAIR OF CONGENITAL	
BILATERAL CLEFT LIP: A MODIFIED TECHNIQUE	
DIEXTERNE CHEFT INT: IT MODIFIED THOMMSON D. I. Kapetansky, M.D.	219
REVIEW OF DIASTROPHIC DWARFISM ASSOCIATED WITH CLEFT PALATE	-10
-PRESENTATION OF A CASE	
Nicholas Herr, M.D. and Dicran Goulian, Jr., M.D., D.D.S.	229
CLEFT LIP OF AYAGUTAK, THE ESKIMO	
Jaroslav Cervenka, M.D., C.Sc.	235
THE UBIQUITOUS FOREIGN BODY	-00
David E. Tolhurst, M.B., Ch.B., F.R.C.S.	237
Book Reviews.	$\frac{240}{240}$
Abstracts	243
ANNOUNCEMENTS	$\frac{10}{251}$
	-01



AMERICAN CLEFT PALATE ASSOCIATION

OFFICERS—1974–75

President	Hughlett L. Morris, Ph.D., Iowa City, Iowa
President-Elect	Verner V. Lindgren, M.D., Portland, Öregon
Past President	William R. Laney, D.M.D., M.S., Rochester, Minnesota
Vice President	Howard Aduss, D.D.S., Chicago, Illinois
Vice President-Elect	J. Douglas Noll, Ph.D., Lafayette, Indiana
	ry R. Smiley, D.D.S., M.S., Chapel Hill, North Carolina
Treasurer	Morton S. Rosen, D.D.S., (1976), Chicago, Illinois
	rding, M.D., D.D.S., (1975), Harrisburg, Pennsylvania

COUNCIL MEMBERS-1974-75

The above officers and

Charles R. Kremenak, D.D.S., M.S. (1974) Iowa City, Iowa Betty Jane W. Philips, Ed. D. (1974) Coral Gables, Florida Samuel Berkowitz, D.D.S., M.S. (1975) Miami, Florida Jeanne K. Smith, M.A. (1975) Iowa City, Iowa John Q. Owsley, Jr., M.D. (1976) San Francisco, California Sylvan E. Stool, M.D. (1976) Philadelphia, Pennsylvania

HISTORIAN FOR THE ASSOCIATION

William R. Harkins, D.D.S. (1972–1975) Osceola Mills, Pennsylvania

Correspondence pertaining to the Association should be addressed to the Secretary: Dr. Gary R. Smiley, School of Dentistry, University of North Carolina, Chapel Hill, North Carolina 27514.

Changes of address and subscriptions to the Cleft Palate Journal should be addressed to the Treasurer: Dr. Morton S. Rosen, 311 East Chicago Avenue, Chicago, Illinois 60611.

Manuscripts and related correspondence should be addressed to the Editor: Robert L. Harding, M.D., D.D.S., 2201 North Second Street, Harrisburg, Pennsylvania 17110.





Journal of the American Cleft Palate Association

EDITOR	ROBERT L. HARDING, M.D., D.D.S. 2201 North Second Street Harrisburg, Pennsylvania 17110, U.S.A.
ASSISTANTS TO THE EDITOR	PRESTON A. WILSON EVELYN L. LEO
SECTION EDITORS	
Dentistry	DONALD W. WARREN, D.D.S., Ph.D., Chapel Hill, North Carolina
Speech Pathology	BETTY JANE MCWILLIAMS, Ph.D., Pittsburgh, Pennsylvania
Teratology	JOSEF WARKANY, M.D. Cincinnati, Ohio
Pediatrics	JACK L. PARADISE, M.D.
	Pittsburgh, Pennsylvania
Anatomy	ALPHONSE R. BURDI, Ph.D.
American Abstracts	Ann Arbor, Michigan J. DOUGLAS NOLL, Ph.D.,
	Lafayette, Indiana
International Abstracts	NICHOLAS G. GEORGIADE, M.D., D.D.S., Durham, North Carolina
Book Review	MAXINE SCHURTER, M.D.,
	Washington, D.C.

The Cleft Palate Journal is designed to reflect, on an international basis, clinical and research activities in the fields of plastic surgery, dentistry, speech pathology, and other specialties concerned with cleft lip and cleft palate, other craniofacial anomalies and related problems.

Changes of address and subscription orders may be placed with the American Cleft Palate Association Treasurer: Morton S. Rosen, D.D.S. Northwestern University Dental School 311 East Chicago Avenue Chicago, Illinois 60611

Manuscripts and correspondence should be submitted to the editor.

Copyright © 1974, The American Cleft Palate Association Published quarterly by the American Cleft Palate Association Printed by Waverly Press, Inc., Mt. Royal & Guilford Avenues, Baltimore, Maryland 21202 Subscription rate: \$20.00 per volume, \$5.00 per issue Second class postage paid at Chicago, Illinois and at additional mailing offices

AMERICAN CLEFT PALATE ASSOCIATION COMMITTEES-1974-75

ACPA and Educational Foundation Liaison (ad hoc)

Samuel Berkowitz, DDS, Chairman Robert W. Blakeley, Ph.D. Juan B. Gonzalez, D.D.S. Michael L. Lewin, M.D. Sylvan E. Stool, M.D. Clyde R. Willis, Ph.D.

Budget

Morton S. Rosen, D.D.S., Chairman Howard Aduss, D.D.S. Robert L. Harding, M.D. Verner V. Lindgren, M.D. Donald W. Warren, D.D.S., Ph.D.

By-Laws

C. Eugene Linke, Ph.D., Chairman John E. Hoopes, M.D. Desmond A. Kernahan, M.D. Elbert W. King, D.D.S. Bud L. Silcox, Ph.D. Hilda H. Tillman, D.M.D.

Central Office Study

 William R. Laney, D.D.S., Chairman Charles R. Kremenak, Jr., D.D.S.
 Betty J. McWilliams, Ph.D.
 Rolland J. Van Hattum, Ph.D.
 Roy C. A. Weatherly-White, M.D. ex officio Robert L. Harding, M.D. Morton S. Rosen, D.D.S. Gary R. Smiley, D.D.S.

Educational Materials (ad hoc)

William C. Trier, M.D., Chairman Haskell Gruber, D.D.S. Betty Jane W. Philips, Ed.D.

Ethics and Professional Affairs

John W. Curtin, M.D., Chairman LaForrest D. Garner, D.D.S. Elise Hahn, Ph.D. S. Baron Hardy, M.D. Jeanette K. Laguaite, Ph.D. Harry Z. Roch, D.D.S.

Honors Awards

Donald W. Warren, D.D.S., Ph.D., Chairman I Kenneth Adisman, D.D.S. William K. Lindsay, M.D. Ross H. Musgrave, M.D. Ralph L. Shelton, Jr., Ph.D. Jeanne K. Smith, M.A.

International Congress Liaison and Planning

Peter Randall, M.D., Chairman Joyce C. Heller, Ph.D. Verner V. Lindgren, M.D. Mohammad Mazaheri, D.D.S. R. Bruce Ross, D.D.S. Duane R. VanDemark, Ph.D.

Local Arrangements

Albert H. Guay, D.M.D., Chairman Gaspar W. Anastasi, M.D. Hubert L. Gerstman, D.Ed. Stuart I. Gilmore, Ph.D. Charles J. Klim, Ph.D. David L. Maxwell, Ph.D. Lennard T. Swanson, D.M.D. Hilda H. Tillman, D.M.D. Gerald A. Tuttle, Ph.D. Richard B. Yules, M.D.

Long Range Planning

Hughlett L. Morris, Ph.D., Chairman members of the committee: the Officers and the Councilors

Membership

Betty Jane W. Philips, Ed.D., Chairman (1976) Mohammad Mazaheri, D.D.S. (1976) David R. Dickson, Ph.D. (1975) William C. Grabb, M.D. (1974) Robert M. Mason, Ph.D. (1974) Eugene J. Sidoti, M.D. (1975)

Nominations

William R. Laney, D.D.S., Chairman David R. Dickson, Ph.D. Verner V. Lindgren, M.D. William H. Olin, D.D.S. John Q. Owsley, Jr., M.D. Betty Jane W. Philips, Ed.D.

Program

Howard Aduss, D.D.S., Chairman Alphonse R. Burdi, Ph.D. David Caldarelli, M.D.
Edward Clifford, Ph.D.
John W. Curtin, M.D.
Penny W. Davis, M.A.
Henry O. Gold, D.D.S.
Edward F. Lis, M.D.
J. Douglas Noll, Ph.D.
Sally J. Peterson, Ph.D.
Lawrence H. Rubin, D.D.S.
Richard E. Sperling, M.D.

Public Relations

John Q. Owsley, Jr., M.D., Co-Chairman John Q. Owsley, Jr., M.D., Co-Chairman Lenore W. Daniels, M.A. Haskell Gruber, D.D.S. James E. Nation, Ph.D. Frederic R. Shire, D.D.S. Richard L. Sperling, M.D.

Time and Place

Donna R. Fox, Ph.D., Chairman Ronald B. Berggren, M.D. Herbert A. Leeper, Jr., Ph.D. Sandy C. Marks, D.D.S. Richard A. Mladick, M.D. James F, Mulick, D.D.S. Earlene Tash Paynter, Ph.D. R. Bruce Ross, D.D.S. Melvin Spira, M.D.