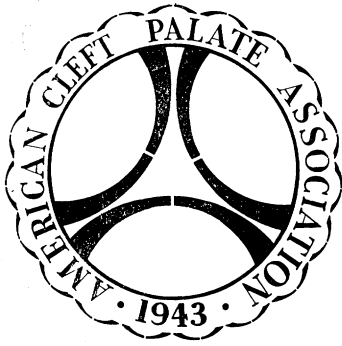


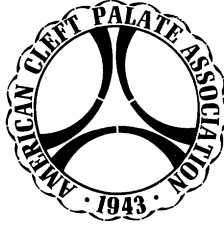


CPJ

OCTOBER 1974 VOLUME 11

TABLE OF CONTENTS

EFFECT OF RESTORATIVE PROCEDURES ON THE NASOPHARYNGEAL AIRWAY IN CLEFT PALATE <i>Donald W. Warren, D.D.S., Ph.D., William C. Trier, M.D. and Abner G. Bevin, M.D.</i>	367
AN ANALYSIS OF PRESURGICAL ORTHOPEDICS IN THE TREATMENT OF CLEFT LIP AND PALATE <i>Joseph P. O'Donnell, D.M.D., Jeffrey P. Krischer, Ph.D. and Frederic R. Shiere, D.D.S., M.S.</i>	374
PALATAL ANOMALIES IN THE SYNDROMES OF APERT AND CROUZON <i>Sally J. Peterson, Ph.D. and Samuel Pruzansky, D.D.S., M.S.</i>	394
EYE ABNORMALITIES AND SKELETAL DEFORMITIES IN THE PIERRE ROBIN SYNDROME: A BALANCED EVALUATION <i>Bard Cosman, M.D. and John J. Keyser, M.D.</i>	404
A THREE DIMENTIONAL CINEFLUOROSCOPIC ANALYSIS OF VELOPHARYNGEAL CLOSURE DURING SPEECH AND NONSPEECH ACTIVITIES IN NORMALS <i>Robert J. Shprintzen, Ph.D., Ruth M. Lencione, Ph.D., Gerald N. McCall, Ph.D. and M. Leon Skolnick, M.D.</i>	412
THE GROWTH OF THE BONY PALATE OF THE PIG CONSEQUENT TO TRANSPOSITIONING THE ORAL AND NASAL MUCOPERIOSTEUM <i>J. D. Atherton, Ph.D., F.D.S., D.D.O., B.D.S., B. B. J. Lovius, M.D.S., F.D.S., Dip. Orth., B.D.S. and D. P. Maisels, M.B., Ch.B., F.R.C.S.</i>	429
CLINICAL USE OF THE PEABODY PICTURE VOCABULARY TEST WITH CLEFT LIP PRE-SCHOOLERS	Betty Jane McWilliams, Ph.D. 439
SOCIOLOGICAL ASPECTS OF CLEFT PALATE ADULTS: II EDUCATION <i>John P. Peter, A.C.S.W. and Rosalie R. Chinsky, M.A.</i>	443
A LONGITUDINAL ANALYSIS OF THE MAXILLARY GROWTH INCREMENTS OF CLEFT LIP AND PALATE PATIENTS (CLP) <i>A. H. Mapes, M.S., D.M.D., M. Mazaheri, D.D.S., M.Sc., R. L. Harding, M.D., J. A. Meier, Ph.D. and H. E. Canter, M.A.</i>	450
A COMPARISON OF ARTICULATION ABILITIES AND VELOPHARYNGEAL COMPETENCY BETWEEN DANISH AND IOWA CHILDREN WITH CLEFT PALATE	D. R. Van Demark, Ph.D. 463
STATUS OF RESEARCH IN CLEFT PALATE: ANATOMY AND PHYSIOLOGY, JULY, 1973—PART 1 <i>David R. Dickson, Ph.D., J. C. B. Grant, Harry Sicher, E. Lloyd DuBrul and Jose Paltan</i>	471
WHY AN "EDUCATIONAL FOUNDATION" FOR A.C.P.A. <i>Peter Randall, M.D.</i>	493
THE TRUE HARE LIP—A CASE REPORT <i>James A. Lehman, Jr., M.D. and Suburraydu Cuddapah, M.D.</i>	497
BOOK REVIEW	499
ABSTRACTS	501
ANNOUNCEMENTS	510
INDEX TO VOLUME 11, CLEFT PALATE JOURNAL	512
TOPICAL INDEX OF ABSTRACTS FROM THE CLEFT PALATE JOURNAL, VOLUME 10, (1973)	517



AMERICAN CLEFT PALATE ASSOCIATION

OFFICERS—1974-75

President Verner V. Lindgren, M.D., Portland, Oregon
President-Elect Howard Aduss, D.D.S., Chicago, Illinois
Past President Hughlett L. Morris, Ph.D., Iowa City, Iowa
Vice President J. Douglas Noll, Ph.D., Lafayette, Indiana
Vice President-Elect Michael L. Lewin, M.D., Bronx, New York
Secretary Herbert A. Leeper, Jr., Ph.D., Oklahoma City, Oklahoma
Treasurer Morton S. Rosen, D.D.S., (1976), Chicago, Illinois
Editor Robert L. Harding, M.D., D.D.S., (1975), Harrisburg, Pennsylvania

COUNCIL MEMBERS—1974-75

The above officers and

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
David R. Dickson, Ph.D. (1977) Pittsburgh, Pennsylvania
R. Bruce Ross, D.D.S. (1977) Toronto, Ontario, Canada

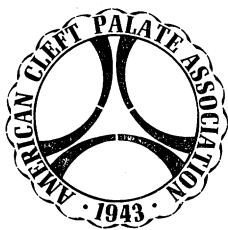
HISTORIAN FOR THE ASSOCIATION

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

Correspondence pertaining to the Association should be addressed to the Secretary: Herbert A. Leeper, Jr., Ph.D., Department of Communication Disorders, University of Oklahoma Medical Center, 825 N.E. 14th Street, Oklahoma City, Oklahoma 73104.

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.



The CLEFT PALATE Journal

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.

Ann Arbor, Michigan

American Abstracts

J. DOUGLAS NOLL, Ph.D.,

Lafayette, Indiana

International Abstracts

NICHOLAS G. GEORGIADIS, 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

EDITORIAL CONSULTANTS

. . . for Volume 11, January to
October, 1974 of the
CLEFT PALATE JOURNAL

Howard Aduss, D.D.S.
Arthur Aylsworth, M.D.
Samuel Berkowitz, D.D.S.
Asa Berlin, Ph.D.
H. Harlan Bloom, Ph.D.
James F. Bosma, M.D.
Doris Bradley, Ph.D.
Raymond O. Brauer, M.D.
Kenneth R. Bzoch, Ph.D.
George J. Chierici, D.D.S.
Edward Clifford, Ph.D.
David Dickson, Ph.D.
Milton Edgerton, M.D.
Samuel G. Fletcher, M.D.
James E. Fricke, Ph.D.
John C. Gall, Jr., M.D.
William S. Garrett, M.D.
Dr. Keith Godfrey
Juan B. Gonzalez, D.D.S.
Elise Hahn, Ph.D.
Egil P. Harvold, D.D.S., Ph.D.
Donald A. Hess, D.Ed.
Sidney L. Horowitz, D.D.S.
Eleanor C. Irwin, Ph.D.
Dr. Harold Katter
W. E. Koch, M.D.
Wilton Krogman, Ph.D.
Jeannette K. Laguaite, Ph.D.
Patricia Landis, M.S.

Ralph Latham, Ph.D.
Ruth M. Lencione, Ph.D.
Robert B. McCabe, M.S.
Robert M. Mason, Ph.D.
Hughlett L. Morris, Ph.D.
J. Douglas Noll, Ph.D.
William H. Olin, D.D.S.
Hermine Pashayan, M.D.
Betty Jane Philips, Ed.D.
Andrew K. Poznanski, M.D.
Peter Randall, M.D.
Robert Ringel, Ph.D.
Linda Rosen, M.S.
Sheldon W. Rosenstein, D.D.S.
Paul Ross, D.E.
R. Bruce Ross, D.D.S.
Meredith Runner
George H. Shames, Ph.D.
Ralph L. Shelton, Jr., Ph.D.
Gary Smiley, D.D.S., M.Sc.
Robert M. Smith, Ed.D.
Melvin Spira, M.D.
Mark W. Steele, M.D.
Sylvan Stool, M.D.
J. Daniel Subtelney, D.D.S.
Rosemary Tharp, M.A.
Duane R. VanDemark, Ph.D.
Donald Warren, D.D.S., Ph.D.
Charlotte G. Wells, Ph.D.