

FUTURE MEETINGS

~~FEBRUARY 19, 20 1983~~

FEBRUARY ^{18, 19}~~25, 26~~ 1984

FEBRUARY ^{16, 17}~~23, 24~~ 1985

FEBRUARY ^{15, 16}~~22, 23~~ 1986

FEBRUARY ^{14, 15}~~21, 22~~ 1987

FEBRUARY 20, 21 1988

FEBRUARY 18, 19 1989

**THE AMERICAN ACADEMY
OF CROWN AND BRIDGE
PROSTHODONTICS**



THIRTY-FIRST ANNUAL MEETING

FEBRUARY 20, 21, 1982

**HYATT REGENCY CHICAGO
CHICAGO, ILLINOIS**

THE ORIGIN AND HERITAGE OF THE AMERICAN ACADEMY OF CROWN AND BRIDGE PROSTHODONTICS

The American Academy of Crown and Bridge is the leading national voice of crown and bridge prosthodontics. Its membership is composed of educators, clinical practitioners and researchers of this important discipline of dentistry.

The purpose of this organization is to achieve by mutual study and cooperation, activities reflecting a high and ethical standard of practice as well as teaching and research in the art and science of crown and bridge prosthodontics.

The Academy had its origin in 1950, in Chicago, Illinois. The three men who deserve credit for the concept and preliminary plan for the Academy were: Dr. Stanley D. Tylman, Dr. Claude R. Baker and Dr. George H. Moulton. These men of vision rallied other important leaders in the crown and bridge field to actively support their cause. Together they planned an organizational meeting that took place at the Stevens Hotel on February 5, 1951. Those present at that meeting were: Doctors Stanley D. Tylman, Arthur O. Klaffenbach, Robert P. Dressel, Alver Selberg, Charles E. Peterka, Earl A. Nelson, Claude R. Baker and George H. Moulton. Dr. Baker was chosen temporary chairman and Dr. Moulton temporary secretary.

The next meeting was at French Lick, Indiana on March 19, 1951 where the tentative Constitution and By-Laws were presented for final approval. Charter members were initiated into the Academy on February 2, 1952 in Chicago, making this the first annual meeting of the Academy of Crown and Bridge Prosthodontics. We have continued to grow and expand our national and international membership to our present total of 314.

Members of today have a proud heritage in the Academy. We continue to dedicate ourselves to the pursuit of knowledge, truth and competency in research, in teaching, and in the clinical practice of crown and bridge prosthodontics.

Jesse Bullard,
Historian



PRESIDENT'S MESSAGE

Dr. Lloyd L. Miller

I welcome you members and guests to the thirty-first annual meeting of the American Academy of Crown and Bridge Prosthodontics.

Once again we have the opportunity to revitalize our enthusiasm for the art and science of crown and bridge prosthodontics. The annual meeting is our major group activity to rededicate ourselves to high ethical standards of clinical practice, teaching and research.

The Academy brings together a diverse group, academia, clinicians, research scientists and teachers—national and international. Indeed the Academy has historically prided itself in diversification of membership to obtain balance in character and to extract the cream of talent from all areas of crown and bridge prosthodontics. This Academy is crown and bridge.

To that pursuit this year's program presents outstanding clinicians and scientists to challenge us with comprehending and mastering the multiple skills required of prosthodontics.

Enjoy the program, revitalize enthusiasm for your chosen field, repower your friendships – and remember:

Nothing splendid has ever been achieved except by those who dared believe that something inside them was superior to circumstance.

— Bruce Barton

PAST PRESIDENTS

Claude R. Baker	1952-1953
* Robert P. Dressel	1954
* E. David Shooshan	1955
* Earl Allen Nelson	1956
L. Walter Brown, Jr.	1957
George H. Moulton	1958
* Francis B. Vedder	1959
Stanley D. Tylman	1960
William H. Hagen	1961
Everett Carl Brooks	1962
Ernest B. Nuttall	1963
Fred Norman Bazola	1964
John D. Adams	1965
* Robert Conley Zeisz	1966
* Willis Edward Corry	1967
Joseph E. Ewing	1968
* E. Edward Kraus	1969
Raymond M. Contino	1970
Douglas Yock	1971
Philip Williams	1972
Douglas M. Lyon	1973
Kenneth Morrison	1974
Robert Sheldon Stein	1975
* John M. Schlick	1976
Charles Ziegler	1976
Charles J. King	1977
Samuel E. Guyer	1978
Roland W. Dykema	1979
Wade H. Hagerman, Jr.	1980
Robert D. Jeronimus	1981

* Deceased

OFFICERS

President	Lloyd L. Miller
President Elect	John H. Emmert
Vice President	Alfred C. Macaluso
Secretary	Ronald G. Granger
Treasurer	William D. Culpepper

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James D. Harrison
Milton H. Brown
Melvin D. Jones
Patricia S. Moulton
Peter A. Neff
Fred A. Shaw, Jr.

EDITOR	William F. Malone
EDITOR EMERITUS	Stanley D. Tylman

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Board of Censors	Russel S. Dunkin
Program	Maurice H. Martel
Membership	William L. Nequette
Student Essay Award	Richard W. Huffman
Nominating	Robert D. Jeronimus
Guests	Alfred C. Macaluso
Local Arrangements	Boleslaw Mazur
Constitution and By-Laws	George H. Moulton
FPO Delegation	Samuel E. Guyer

STANDING COMMITTEE MEMBERS

BOARD OF CENSORS

Russell S. Dunkin ... 83, Chm.
Joseph E. Ewing ... 84, Secy.
John D. Guthrie 82
Arnold Daniel 82
Loren H. Miller 83
Charles J. King 84
Herbert Ptack 84

PROGRAM

Maurice H. Martel, Chm.
Ralph Yuodelis
William F. Malone

MEMBERSHIP

William L. Nequette, Chm.
Philip Williams
Michele Gaillard
Charles J. Welter

STUDENT ESSAY AWARD

Richard W. Huffman, Chm.
Donald K. Pokorny
Fred A. Shaw, Jr.
Kenneth A. Turner
William B. Finagin
Gordon Christensen
Stanley D. Tylman, Hon. Chm.

NOMINATING

Robert D. Jeronimus, Chm.
Wade H. Hagerman, Jr.
Roland W. Dykema

SECRETARY FOR GUESTS

Alfred C. Macaluso

LOCAL ARRANGEMENTS

Boleslaw Mazur, Chm.
Fred N. Bazola
Francis X. Pelka
Stephen L. Welsh, Jr.
Gilbert I. Brinsden

CONSTITUTION AND BY-LAWS

George H. Moulton, Chm.
Charles L. Ziegler
Robert D. Jeronimus

DELEGATION FPO

Samuel E. Guyer, Chm.
Roland W. Dykema

FRIDAY, FEBRUARY 19, 1982

6:00 P.M. Early Registration

6:30 P.M. Dinner (Members Only)
Columbus Hall I,J,K,L

8:00 P.M. Business Meeting (Members Only)
Old Business
Committee Reports
New Business
Nomination and Election of Officers

PROGRAM SYNOPSIS
SATURDAY FEBRUARY 20, 1982

8:00 Registration and continental breakfast
Regency A & B

8:45 Presidential Greetings.
Dr. Lloyd L. Miller, President

8:55 Dr. Maurice H. Martel, Program Chm.-
Comments

9:00 Dr. Robert M. Ricketts

10:00 Dr. Sumiya Hobo

11:00 Dr. Robert R. Faucher

12:00 - 2:00 Lunch — A lunch ticket is included in
your registration envelope. The location
is the Captain Streeters Room. (There
will be no luncheon speaker or luncheon
program due to the lack of a room large
enough to accomodate our entire group.)

2:00 Dr. John D. Townsend

3:00 Dr. Bruce H. Bell

4:00 Dr. Ralph W. Phillips

PROGRAM SYNOPSIS
SUNDAY FEBRUARY 21, 1982

9:00 Dr. Peter A. Weiss

10:00 Dr. Ronald G. Presswood

11:00 Dr. Ralph B. Sozio

12:00 2:00 Lunch — on your own

2:00 Dr. Itzhak Shoher

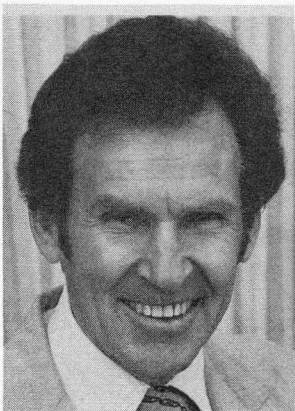
2:30 Dr. Stephen F. Bergen

3:00 Dr. Leonard Abrams

3:30 Presentation of certificates — new Mem-
bers and Associate Members of the
American Academy of Crown and Bridge
Prosthodontics by Dr. Lloyd L. Miller
(President).
Introduction and Installation of new
Officers.
Photographs of Officers, Charter Mem-
bers, Clinicians, New Members and
Associate Members — Columbian Room

4:30 Cocktail Party, Regency C & D

5:30 New Officers & Board of Directors
Meeting — Academy Suite



Saturday 9:00 A.M.

ROBERT M. RICKETTS, D.D.S., M.S.

**THE BIOLOGIC IMPLICATIONS
OF THE DIVINE PROPORTION**

SYNOPSIS: The normal body is formed under biologic laws which underlie efficiency but, in addition, are the factors for profound beauty. It has often been said that which looks good usually functions well. This essay will investigate the meaning of the previous statements.

BIOGRAPHIC SKETCH: Dr. Ricketts received his D.D.S. from Indiana University in 1945 and his M.S. from the University of Illinois in 1950. He has been in private practice in California since 1952. He has published over 100 research articles. He developed the cephalometric laminagraph machine, computerized cephalometrics and concepts of growth forecasting. He has conducted Advanced Orthodontic Seminars which have been attended by over 1000 orthodontists from all over the world. Dr. Ricketts received the Albert H. Ketcham Award from the American Association of Orthodontics in 1975. At present, he holds faculty appointments at Loma Linda University, the University of Southern California, and the University of Texas at Houston.

10.

Saturday 10:00 A.M.



SUMIYA HOBO, D.D.S., M.S.D.

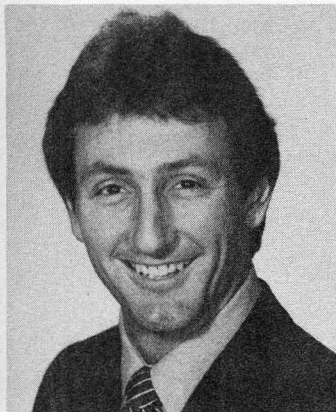
**THREE DIMENSIONAL ROTATIONAL CENTER
OF THE MANDIBLE**

SYNOPSIS: Many studies have been made to examine mandibular movements by measuring the movements of points located outside of the face. The speaker has developed an electronic device capable of measuring six degrees of freedom of the mandible in three dimensions. This presentation will explain how this electronic measuring device can observe movement of any optional points in or on the mandible to an accuracy of .06mm.

BIOGRAPHIC SKETCH: Dr. Hobo received his D.D.S. degree from Nihon University, Tokyo, Japan. He then continued his education with graduate training in Prosthodontics, at Indiana University, where he received his M.S. degree. Dr. Hobo has published extensively in his country and has also contributed significantly to publications in English. Dr. Hobo, with Dr's. Shillingburg and Whitsett, published *Fundamentals of Fixed Prosthodontics* in 1976. He has lectured internationally and has been very active in the development of articulator and face bow systems.

11.

Saturday 11:00 A.M.



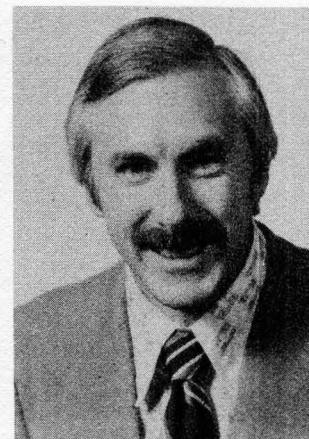
ROBERT R. FAUCHER, D.D.S., M.S.D.
**SECTIONAL SPLINTS-USE OF
NON-RIGID CONNECTORS**

SYNOPSIS: One should approach the incorporation of bilateral splinting, as an adjunct to therapy, with great caution, understanding, and respect. Alternative techniques to soldered restorations will be discussed: non-rigid connectors, segmented and non-segmented telescopes, the locking rod and tube connector, solderless joints, and the palatal strap. To provide needed background for formulating rational judgements in the clinical environment, there are subject areas dealing with indications and contra-indications, advantages and disadvantages, as well as step-by-step procedures for specific techniques.

BIOGRAPHIC SKETCH: Dr. Faucher is currently an Associate Professor and Director of Fixed Prosthodontics at the University of Washington in the Department of Restorative Dentistry. His responsibilities include directing the pre-clinical and clinical courses in Fixed Prosthodontics. He has presented numerous courses on the various aspects of prosthetic rehabilitation in the United States and Europe.

12.

Saturday 2:00 P.M.

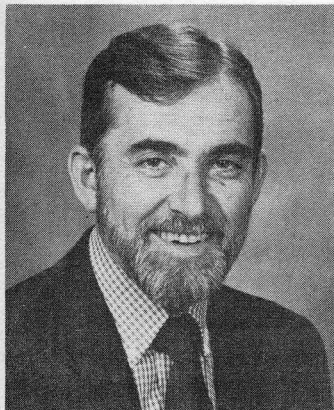


JOHN D. TOWNSEND, D.D.S., M.S.D., F.R.C.D.(C)
**CORONAL COUNTOURS: PERIODONTAL AND
RESTORATIVE CONSIDERATIONS**

SYNOPSIS: Many textbooks and articles have described the morphology of the human dentition. Most of these descriptions are based on a dimensional analysis of individual teeth and their arrangement in the dental arch. Although many authors have proposed concepts for determining optimal contours of the natural or restored dentition, few investigative studies have related tooth morphology to periodontal health or gingival morphology. This presentation will address various crown contour theories and associated rationale purported to maintain or preserve periodontal health. The clinical implication of these theories for altering natural morphology and developing axial contours or restorations will be presented.

BIOGRAPHIC SKETCH: Dr. Townsend is currently chairman of the Department of Restorative Dentistry at the University of Washington (Seattle) and was formerly chairman of the Department of Fixed Prosthodontics at McGill University (Montreal). He received his dental degree from McGill University, and masters degree and certificate in restorative dentistry from the University of Washington. Dr. Townsend has earned a fellowship in the Royal College of Dentists of Canada in the specialty of prosthodontics, and he recently developed and conducted the first specialty examination in prosthodontics for the Province of British Columbia. He has lectured extensively and has authored numerous publications including a chapter in the text "Prosthodontic Treatment for Partially Edentulous Patients." His current research activities involve the biological and mechanical evaluation of dental materials.

13.



Saturday 3:00 P.M.

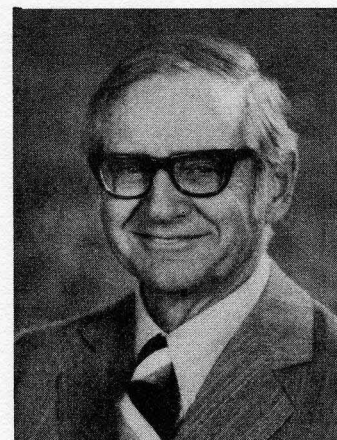
BRUCE H. BELL, D.M.D.

CORE FABRICATION FOR MUTILATED TEETH

SYNOPSIS: There are numerous methods available for replacing lost "tooth structure" to grossly destroyed teeth. Potential future complications must be considered when designing the core buildup. Emphasis will be placed on an approach that not only provides solid foundations, but maintains future options.

BIOGRAPHIC SKETCH: Dr. Bell received dental degrees from Otago Dental School in New Zealand and Tufts University School of Dental Medicine. He served as Chairman of the Dept. of Operative Dentistry at Tufts University from 1966-68. From 1968-74 he was Professor and Chairman of the Dept. of General Dentistry at the College of Dentistry, University of Florida. He is presently in private practice in Boston, MA.

14.



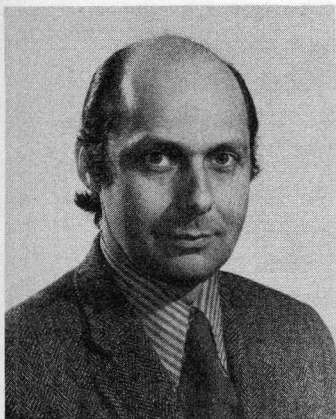
Saturday 4:00 P.M.

RALPH W. PHILLIPS, M.S., D.Sc., F.A.C.D., F.I.C.D.
UPDATE OF POLYACRYLIC ACID BASED CEMENTS

SYNOPSIS: Polycarboxylate and Glass Ionomer cements have received much attention in the past few years. This presentation will include factors which influence their clinical performance and indications for use.

BIOGRAPHIC SKETCH: Dr. Phillips is presently the Associate Dean for Research and Research Professor of Dental materials at Indiana University School of Dentistry. He has received the Gold Medal Award, Pierre Fauchard Academy, William J. Gies Award, American College of Dentists, as well as numerous other special honors. Dr. Phillips is in constant demand as a speaker because of his up-to-date knowledge of dental materials and his independence as a researcher. Dr. Phillips is an honorary member of this Academy, and we welcome his return to our program.

15.



Sunday 9:00 A.M.

PETER A. WEISS, D.M.D.

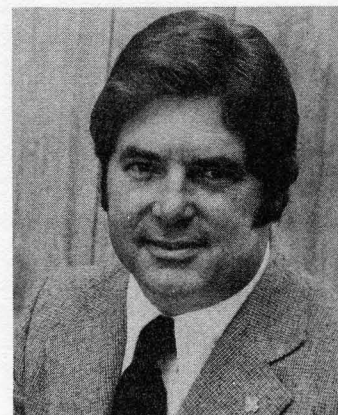
STATE-OF-THE-ART METAL CERAMICS

SYNOPSIS: The 50's and 60's saw a revolution in restorative dentistry as porcelain replaced acrylic as the esthetic veneer material. But it was not until the development of non-precious technology in the 70's that metal ceramics became biocompatible and reached its full esthetic potential.

BIOGRAPHIC SKETCH: Dr. Weiss received his undergraduate training at Boston College and Boston University. He entered Tufts Dental School at age 19 and received his DMD in 1956. In 1968 he founded his own laboratory, Esthetics Incorporated, and lent a strong background in the sciences to the research and development of non-precious metal ceramic technology. His technical staff is taken from the arts and trained in laboratory procedures. In addition to his clinical practice, laboratory management, writing and lecturing, he has recently formed Dental Computer Graphics and together with a partner is developing the potential of the computer in dentistry.

16.

Sunday 10:00 A.M.



RONALD G. PRESSWOOD, D.D.S.

BASE METAL ALLOYS AND THE CERAMO-METAL RESTORATION

SYNOPSIS: This presentation will consider the castability of the alloys available to dentistry today, plus porcelain bond, system strength, environmental safety and biocompatibility.

BIOGRAPHIC SKETCH: Dr. Presswood received his dental degree from the University of Texas. He is on the Board of Directors of the L. D. Pankey Institute, and is also on the faculty there. Dr. Presswood has published four articles in the Journal of Prosthetic Dentistry and contributed to Dental Clinics of North America. He has presented before numerous dental meetings and comes to us as a clinician who has been active in research and technique development in nickel-chrome alloys for veneering porcelains.

17.



Sunday 11:00 A.M.

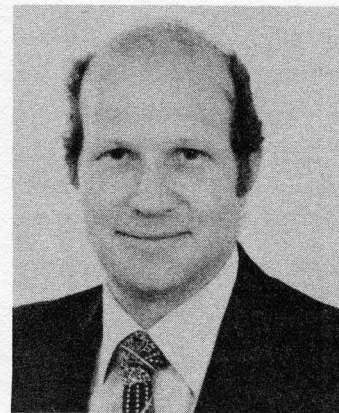
RALPH B. SOZIO, D.M.D.
SHRINK-FREE CERAMIC CROWN

SYNOPSIS: The presentation will focus on the fabrication of an all ceramic crown. The crown is constructed employing a shrink-free ceramic substrate. The ceramic substrate is formed by a transfer molded process directly on the master die. Since the formation is direct, marginal integrity and adaptation can be obtained. Once the ceramic substrate has been formed, it can be fired to maturation with zero shrinkage. In fact, if so desired this ceramic can be expanded. The finalization of the crown (veneering) is accomplished in a conventional fashion with a suitable aluminous porcelain.

BIOGRAPHIC SKETCH: Dr. Ralph B. Sozio received his B.S. degree and D.M.D. degree from Tufts University and currently holds the post of Assistant Clinical Professor of Prosthetics and Co-Director for the Postdoctoral Program in Prosthetics, Harvard University School of Dental Medicine. In addition to his teaching responsibilities, Dr. Sozio has a research affiliation in the Department of Clinical Trials and Experimentation of the Institute for Research and Advance Study in Dentistry of the Forsyth Dental Center. His research activities have included electronic and histologic evaluation of electro-surgery, ceramo-metal restoration and total ceramic restoration. A number of publications to his credit have come from this research. From his research in the total ceramic restoration, in conjunction with Dr. Edwin J. Riley a new patented material has been developed.

18.

Sunday 2:00 P.M.



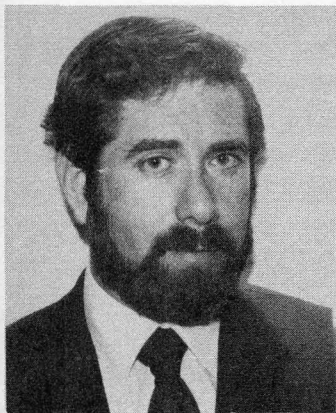
ITZHAK SHOHER, D.M.D., M.S.D.
**A NEW APPROACH TO METAL DESIGN
 AND RECENT DEVELOPMENTS IN
 CERAMO-METAL RESTORATIONS**

SYNOPSIS: A new metal design for anterior and posterior crowns and pontics which provides highly improved porcelain strength is based on 12 years of physical laboratory and clinical studies. Intermediate zone materials between porcelain and metal, precious and non precious, enhance bonding as well as provide a desirable stress relieving zone.

BIOGRAPHIC SKETCH: Dr. Shohar received his DMD from Hadassah University in Jerusalem in 1967. Since receiving his M.S. Degree from Tufts University in 1971, Dr. Shohar has taught fixed prosthodontics at Tel Aviv University from 1971-1975 and conducted extensive research on circulation in the human dental pulp. He is currently engaged in a dental practice limited to prosthodontics in Tel Aviv, Israel.

19.

Sunday 2:30 P.M.

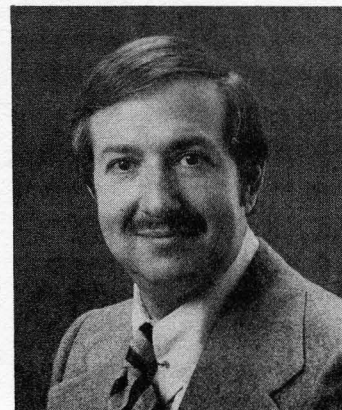


STEPHEN F. BERGEN, D.D.S., M.S.D.
FLUORESCENCE IN NATURAL TEETH AND
ARTIFICIAL RESTORATIONS

SYNOPSIS: Natural teeth exhibit a vitality – a liveliness about them, especially in sunlight, that often distinguishes them from artificial restorations. A major contributing factor to this naturalness is generated by the phenomenon known as fluorescence. This program will discuss and examine this phenomenon and how it contributes to more pleasing, natural and esthetic restorations.

BIOGRAPHIC SKETCH: Dr. Bergen is Director of Prosthodontics and Maxillofacial Prosthetics at the New York Veterans Administration Medical Center. He is a member of the American College of Prosthodontists, American Academy of Esthetic Dentistry, Greater New York Academy of Prosthodontics and O.K.U. Since 1977 he has been active in investigating and publishing on the subjects of color and light in dentistry. In 1980 he co-authored, with Dr. Jack Preston, the book *Color Science and Dental Art*.

Sunday 3:00 P.M.



LEONARD ABRAMS, D.D.S., F.A.C.D.
AUGMENTATION OF THE
DEFORMED EDENTULOUS RIDGE

SYNOPSIS: Following tooth extraction, the remaining bony ridge changes shape. Frequently, edentulous ridge morphology prevents ideal pontic design. This presentation will offer a tissue approach correction to this common problem.

BIOGRAPHIC SKETCH: Dr. Abrams is Associate Professor of Periodontics, University of Pennsylvania School of Dental Medicine. He has contributed to Goldman and Cohen's text on Periodontology and co-authored two other dental texts. He has considerable experience in periodontal prosthetics, and with his training and experience in both prosthodontics and periodontics has considerable expertise in the subject of his presentation.