



PROGRAM
of the

*One Hundred Twenty-Seventh
Annual Meeting*

**AMERICAN
OTOLOGICAL SOCIETY, INC.**

May 7-8

1994

**The Breakers Hotel
Palm Beach, Florida**

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JULY 1, 1993 - JUNE 30, 1994

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Medical Center Boulevard
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6431 Fannin Street, Suite 6.132
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The American Otological Society is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

This Continuing Medical Education offering meets the criteria for eight (8) credit hours in Category One (1) of the Physician's Recognition Award of the American Medical Association

SATURDAY, MAY 7, 1994

REGISTRATION - 7:00 AM

BUSINESS MEETING - 12:30 PM

Minutes of the previous annual meeting

Introduction of New Members

Election of Nominating Committee

Report of the Secretary-Treasurer

Report of the Editor-Librarian

SCIENTIFIC PROGRAM - 1:00 PM

(Open to Non-Members)

Remarks by the President

Robert I. Kohut, M.D.

Remarks by the Guest of Honor

Cesar Fernandez, M.D.

Presidential Citation

James B. Snow, M.D.

C. Gary Jackson, M.D.

CHRONIC EAR DISEASE

1. 1:25 PM Antimicrobial Activity of Silver Oxide Impregnated Silicone Elastomer Tympanostomy Tubes: A Randomized Multicenter Trial
Richard A. Chole, M.D., Ph.D.*
2. 1:34 PM Tympanic Membranae Perforation in Children With Short-Term and Long-Term Tubes
Richard M. Bass, M.D.* *(by invitation)*
Faloon, Kathleen M.S.

NOTES

3. 1:43 PM Acoustical Aspects of Type IV and V Tympanoplasty
Saumil N. Merchant, M.D.*
(by invitation)
John J. Rosowski, Ph.D. *(by invitation)*
Michael E. Ravicz, M.S. *(by invitation)*
William T. Peake, Ph.D. *(by invitation)*

4. 1:52 PM Cartilage Shield Reconstruction of Remnant Tympanic Membranes
Larry G. Duckert, M.D., Ph.D.*
Joachim Muller, M.D. *(by invitation)*
Kathleen H. Makielski, M.D.
(by invitation)
Jan Helms, M.D. *(by invitation)*

5. 2:01 PM The Sinus Tympani: Anatomical Considerations, CT Imaging and a Discussion of the Retrofacial Approach for Removal of Disease
Bradley P. Pickett, M.D.* *(by invitation)*
Paul R. Lambert, M.D. *(by invitation)*
Wayne S. Cail, M.D. *(by invitation)*

6. 2:10 PM Ossiculoplasty Using the Black Hydroxylapatite Hybrid Ossicular Replacement Prosthesis
John D. Macias, M.D.* *(by invitation)*
Michael E. Glasscock, III, M.D.
Mark H. Widick, M.D. *(by invitation)*
David G. Schall, M.D. *(by invitation)*

7. 2:19 PM Biomechanical Assessment of a New Adhesive Bone Cement for Otologic Surgery
John W. Werning, M.D., D.M.D.*
(by invitation)
Anthony J. Maniglia, M.D.
James M. Anderson, M.D., Ph.D.
(by invitation)
Wen H. Ko, Ph.D. *(by invitation)*

***Speaker**

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8. 2:28 PM Chronic Otitis Media and Sensorineural Hearing Loss
Paul R. Lambert, M.D.
J. Pieter Noordzig, M.D.* *(by invitation)*
Edward E. Dodson, M.D. *(by invitation)*
H. Alexander Arts, M.D. *(by invitation)*
9. 2:37 PM Reporting Operative Hearing Results: Does Choice of Outcome Measure Make a Difference
Robert A. Goldenberg, M.D.
Karen I. Berliner, Ph.D.* *(by invitation)*
10. 2:46 PM Prolapse of the Mandibular Condyle Into the External Auditory Canal: A Complication of Otologic Surgery
Samuel Selesnick, M.D.* *(by invitation)*
Leonard P. Rybak, M.D.
- 2:55 PM DISCUSSION - Chronic Ear Disease
Discussion period open to the audience
- 3:05 PM BREAK
11. 3:20 PM COMPLICATIONS IN OTOLOGICAL SURGERY: PARALYSIS, DIZZINESS, DEAFNESS, AND DEATH
Moderator - George T. Singleton, M.D.
James R.E. Dickens, M.D.
Julianna Gulya, M.D.
Jay B. Farrior III, M.D.
Richard J. Wiet, M.D.
- Cochlear Implants**
12. 4:00 PM Long-Term Results of Multichannel Cochlear Implants in Congenitally Deaf and Prelingually Deafened Children
Bruce J. Gantz, M.D.*
Richard S. Tyler, Ph.D. *(by invitation)*
Paul J. Abbas, Ph.D. *(by invitation)*
Nancy Tye-Murray, Ph.D. *(by invitation)*
Carolyn J. Brown, Ph.D. *(by invitation)*
Holly Fryauf-Bertschy, M.S. *(by invitation)*

***Speaker**

NOTES

13. 4:09 PM Long-Term Results of Early Cochlear Implantation in Congenitally and Prelingually Deaf Children
Susan B. Waltzman, Ph.D.* *(by invitation)*
Noel L. Cohen, M.D. *(by invitation)*
William Shapiro, M.A. *(by invitation)*
Ronald A. Hoffman, M.D.
14. 4:18 PM Cochlear Implantation in the Elderly
David Kelsall, M.D.* *(by invitation)*
Jon Shallop, Ph.D. *(by invitation)*
Roberts Feehs, M.D. *(by invitation)*
Donald W. Goin, M.D.
15. 4:27 PM Evaluation of a New Spectra Peak Coding Strategy (SPEAK) for the Nucleus 22 Channel Cochlear Implant System
Clark, Graeme M.D.* **Arndt, P**
Skinner, M **Antogenelli, T**
Whitford, L **Brimacombe, J**
Seligman, P **Pyle, S**
Staller, S **Daniels, P**
Shipp, D **George, C**
Shallop, J **McDermott, H**
Everingham, C **Beiter, A**
Menapace, C
16. 4:36 PM A Comparative Study of Multi-Channel Tactile Aids and Multi-Channel Cochlear Implants
Richard T. Miyamoto, M.D.*
Amy Robbins, M.S. *(by invitation)*
Susan Todd, M.D. *(by invitation)*
Allison Riley, M.S. *(by invitation)*
Mary Jo Osberger, Ph.D. *(by invitation)*

***Speaker**

NOTES

17. 4:45 PM The Vestibular Effects Associated with Implantation of a Multichannel Cochlear Prosthesis
George W. Facer, M.D.*
Robert Brey, Ph.D. *(by invitation)*
Ann Peterson, M.D. *(by invitation)*
Susan Lynn, M.A. *(by invitation)*
Mary Beth Trine, M.A. *(by invitation)*
18. 4:54 PM Cochleostomy in Labyrinthitis Ossificans: Anatomic, Histologic and Radiographic Dimensions
Robert S. Feehs, M.D.* *(by invitation)*
19. 5:03 PM Use of Distortion Product Otoacoustic Emissions to Assess the Frequency Specificity of an Electromagnetic Middle Ear Implant
John Park, B.S.* *(by invitation)*
James Coticchia, M.D. *(by invitation)*
William Clark, Ph.D. *(by invitation)*
Sid Khosla, M.D. *(by invitation)*
Greg Esselman, M.D. *(by invitation)*
John M. Fredrickson, M.D.
20. 5:12 PM Application of High-Resolution Two Dimensional Electrophoresis to the Study of Inner Ear Disease Isolde
Thalman, Ph.D.* *(by invitation)*
Robert I. Kohut, M.D.
Jai H. Ryu, Ph.D.
Ruediger Thalman, M.D.
- 5:21 PM DISCUSSION - Cochlear Implants
Discussion period open to the audience.
- 5:30 PM PHOTOGRAPH: MEMBERS ONLY

***Speaker**

NOTES

SUNDAY, MAY 8, 1994

BUSINESS MEETING 7:00 AM

(Restricted to Members)

Report of the:

- a. Board of Trustees of the Research Fund
- b. American National Standards Institute
- c. American Board of Otolaryngology
- d. Award of Merit Committee
- e. American College of Surgeons
- f. American Academy of Otolaryngology -Head and Neck Surgery

Report of the Audit Committee

Report of the Nominating Committee

Reading of Communications

Unfinished Business

New Business

SCIENTIFIC PROGRAM - 7:45 AM

(Open to Non-Members)

Neoplastic Disorders

21. 7:45 AM Fibrous Dysplasia of the Temporal Bone
Cliff E. Megerian, M.D. *(by invitation)*
Robert A. Sofferman, M.D.*
(by invitation)
Joseph B. Nadol, Jr., M.D.
22. 7:54 AM Preservation of Auditory and Vestibular
Function After Surgical Removal of
Bilateral Eighth Nerve Neurofibromas
(NF) in a Patient with NF 2
F. Owen Black, M.D.*
Derald E. Brackmann, M.D.
William Hitselberger, M.D. *(by invitation)*

*Speaker

NOTES

23. 8:03 AM Radiation Therapy in the Management of Paragangliomas of the Temporal Bone
Andrew de Jong, M.D.* *(by invitation)*
Newton J. Coker, M.D.
Herman A. Jenkins, M.D.
Helmuth Goepfert, M.D.
Bobby R. Alford, M.D.
24. 8:12 AM Adenomatous Lesions of the Temporal Bone Immunohistochemical Analysis and Theories on Histogenesis
E. L. Bold,* *(by invitation)*
J. R. Wanamaker *(by invitation)*
G. B. Hughes *(by invitation)*
C. Rhee *(by invitation)*
Sam E. Kinney, M.D.
B.A. Sebek *(by invitation)*
25. 8:21 AM The Efficacy of ABR as a Screening Test for Small Acoustic Neuromas
Michael Gordon, M.D.* *(by invitation)*
Noel Cohen, M.D.
26. 8:30 AM MR Flow Imaging in the Evaluation of CSF Leaks
Lucien M. Levy, M.D.* *(by invitation)*
A. Julianna Gulya, M.D.
Dennis LeBihan, Ph.D. *(by invitation)*
Sunder S. Rajan, Ph.D. *(by invitation)*
Michael S. Morris, M.D. *(by invitation)*
Dieter Schellinger, M.D. *(by invitation)*
27. 8:39 AM COMPLICATIONS OF NEUROTOLOGIC/SKULL BASE SURGERY; STROKE, NUMBNESS, PARALYSIS, DIZZINESS, DEAFNESS AND DEATH
How and Why and What To Do
Moderator - C. Gary Jackson, M.D.
Derald Brackmann, M.D.
Bruce Gantz, M.D.
Peter Smith, M.D.

***Speaker**

NOTES

Congenital Disorders

28. 9:19 AM Transposition of the Facial Nerve in Congenital Aural Atresia
Robert A. Jahrsdoerfer, M.D.*
29. 9:28 AM Congenital Aural Atresia Surgery: Experience and Refinements Over the Past 10 Years
Sujana Chandrasekhar, M.D.*
(by invitation)
Antonio de la Cruz, M.D.
30. 9:37 AM Hearing Loss in Paget's Disease of Bone: Auditory Nerve Compression is Not a Primary Mechanism
Edwin M. Monsell, M.D., Ph.D.*
(by invitation)
Henry G. Bone, M.D. (by invitation)
Dianna D. Cody, Ph.D. (by invitation)
Gary P. Jacobson, Ph.D. (by invitation)
Craig W. Newman, Ph.D.
(by invitation)
Suresh Patel, M.D. (by invitation)
31. 9:46 AM Monitoring Cochlear Function Intraoperatively Using Distortion Product Otoacoustic Emissions
Fred F. Telischi, M.D.* (by invitation)
Michael P. Widick, M.D. (by invitation)
Brenda Lonsbury-Martin, Ph.D.
(by invitation)
Marcy McCoy, M.S. (by invitation)

***Speaker**

NOTES

32. 9:55 AM Characterization of DNA Extracted from Archival Celloidin Embedded Human Temporal Bone Sections
Wackym, Phillip M.D.* *(by invitation)*
Marc Kerner, M.D. *(by invitation)*

10:04 AM DISCUSSION - Congenital and Neoplastic Disorders
Discussion period open to the audience.

10:09 AM BREAK

Vestibular Disorders and Inner Ear Disorders

33. 10:24 AM Streptomycin Perfusion of the Labyrinth Through the Round Window Plus Intravenous Streptomycin
John J. Shea, Jr M.D.*

34. 10:33 AM Temporal Bone Histopathology of Cisplatin Ototoxicity
Raul Hinojosa, M.D.
Landon C. Riggs, M.D.* *(by invitation)*
Gregory J. Matz, M.D.

35. 10:42 AM Ultrastructural Findings in the Vestibular End Organs of AIDS Cases
Dennis G. Pappas, Jr., M.D.*
John T. Roland, Jr., M.D. *(by invitation)*
Dean Hillman, Ph.D. *(by invitation)*
Andrew Lai *(by invitation)*

36. 10:51 AM Correlation of Beta-2 Transferrin and Middle Ear Abnormalities in Congenital Perilymphatic Fistula
Peter C. Wever M.D.* *(by invitation)*
Charles D. Bluestone, M.D.
Margaret A. Kenna, M.D.
(by invitation)
Robert H. Kelly, Ph.D. *(by invitation)*

***Speaker**

NOTES

37. 11:00 AM Loss of Perilymph Affects
Electrocochelographic Potentials in the
Guinea Pig
Mohamed Badr-El-Dine, M.D.
(by invitation)
George M. Gerken, Ph.D.
(by invitation)
William L. Meyerhoff, M.D., Ph.D.*
38. 11:09 AM Aerospace Otology
Sam J. Marzo, M.D.* *(by invitation)*
Andrew J. Hotaling, M.D. *(by invitation)*
Gregory J. Matz, M.D.
39. 11:18 AM To Abandon or Not Abandon:
Antesigmoid Craniotomy with Retro-
labyrinthine Vestibular Nerve Section
Charles M. Luetje, M.D.*
C. Keith Whittaker, M.D. *(by invitation)*
Patricia Genter, R.N. *(by invitation)*
40. 11:27 AM Paroxysmal Positional Vertigo (PPV): An
Overview and the "Liberatory
Maneuver": Fiction or Fact?
A. Katsarkas, M.D.*
41. 11:36 AM AOS/ANS Survey of Vestibular
Rehabilitation
Mohamed A. Hamid, Ph.D., M.D.*
Gordon B. Hughes, M.D.
Sam E. Kinney, M.D.
42. 11:45 AM The Effect of Vestibular Rehabilitation
on Postoperative Disequilibrium
Following Transmastoid
Labyrinthectomy
Alan W. Langman, M.D.* *(by invitation)*
Roger C. Lindeman, M.D.

***Speaker**

NOTES

43. 11:54 AM

Development of a Dizziness Disability Scale

Vicente Honrubia, M.D.*

Ronald S. Reiter, Ph.D. *(by invitation)*

Theodore Bell, Ph.D. *(by invitation)*

Majorie Harris, M.A. *(by invitation)*

Robert W. Baloh, M.D. *(by invitation)*

Diane Petersen, M.D. *(by invitation)*

DISCUSSION - Vestibular Disorders
Discussion period open to the audience.

INTRODUCTION OF NEW PRESIDENT

ADJOURN

PRESIDENT'S RECEPTION AND
DINNER DANCE

Reception 6:30 PM

Banquet 7:30 PM

For Members, Officially Invited Guests,
their Ladies or Escorts
-Black Tie-

***Speaker**

NAMES AND ADDRESS OF PRIMARY AUTHORS

Mohamed Badr-El-Dine, M.D.
Department of Otolaryngology
Univ Texas Southwestern Med Ctr
5323 Harry Hines Blvd
Dallas, TX 75235-9035

Richard M. Bass, M.D.
319 E Madison, Suite 2C
Springfield, IL 62701

F. Owen Black, M.D.
Good Samaritan Hosp Neurology
1040 NW 22nd Avenue
Portland, OR 97210

E. Luke Bold, M.D., Ph.D.
Dept. of Otolaryngology and
Communicative Disorders
Cleveland Clinic Foundation
9500 Euclid Avenue
Cleveland, OH 44195

Richard A. Chole, M.D., Ph.D.
University of California, Davis
Otol Research Laboratories
1515 Newton Court, Room 209
Davis, CA 95616

Graeme Clark, M.D.
Bionic Ear Institute
32 Gisborne Street
East Melbourne, Victoria
Australia 3000

Andrew L. de Jong, M.D.
Dept. of Otolaryngology and
Communicative Sciences
Baylor College of Medicine
One Baylor Plaza
Houston, TX 77030

Antonio de la Cruz, M.D.
House Ear Clinic
2100 West Third Street
Los Angeles, CA 90057

Larry G. Duckert, M.D., Ph.D.
Department of Otolaryngology-
HNS RL-30
University of Washington
Seattle, WA 98195

George W. Facer, M.D.
200 First Street, SW
Rochester, MN 55905

Robert S. Feebs, M.D.
Denver Ear Associates
799 E Hampden Avenue Suite #510
Englewood, CO 80110

Bruce J. Gantz, M.D.
Univ Iowa Hospitals & Clinics
Department of Otol/HNS
200 Hawkins Drive
Iowa City, IA 52242

Robert A. Goldenberg, M.D.
111 West First Street, Suite 600
Dayton, OH 45402

Michael L. Gordon, M.D.
Department of Otol
NYU Medical Center
550 First Avenue
New York, NY 10016

Mohamed A. Hamid, M.D.
9500 Euclid Avenue
Cleveland, OH 44195

Raul Hinojosa, M.D.
University of Chicago
5841 S Maryland
Chicago, IL 60637

Vicente Honrubia, M.D.
Div Head and Neck Surgery
UCLA School of Medicine
Los Angeles, CA 90024

Robert Jahrsdoerfer, M.D.
Department of Otol - HNS
Univ of Texas Med Sch
6431 Fannin Street Rm 6 132
Houston, TX 77030

A. Katsarkas, M.D.
Royal Victoria Hospital
ENT Department
687 Pine Avenue, West
Montreal PQ Canada H3A 1A1

David C. Kelsall, M.D.
Denver Ear Associates
799 E Hampden Avenue
Suite #510
Englewood, CO 80110

Paul R. Lambert, M.D.
Department of Otol/HNS
UVA Health Sciences Ctr, Box 430
Charlottesville, VA 22908

AWARD OF MERIT RECIPIENTS

1949 George M. Coates, M.D.
1951 Barry J. Anson, Ph.D.
Theodore H. Bast, Ph.D.
1952 Edmund P. Fowler, Sr., M.D.
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1954 Stacy Guild, Ph.D.
1957 Georg von Bekesy, Ph.D.
1959 Ernest Glen Wever, Ph.D.
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1961 John R. Lindsay, M.D.

1962 William J. McNally, M.D.
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1968 Lawrence R. Boles, M.D.
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1970 Senator Joseph A. Sullivan, M.B.
1971 Samuel Rosen, M.D.
1972 Howard P. House, M.D.
1973 Moses H. Lurie, M.D.

Alan W Langman, M D
Department of Otolaryngology
Virginia Mason Medical Center
P O. Box 900
Seattle, WA 98111

Lucien M. Levy, M D., Ph D.
Georgetown Univ Med Center
3800 Reservoir Road, NW
Podium Level, CCC Bldg
Washington, DC 20007

Charles M. Luetje, M D
3100 Broadway, Suite 509
Kansas City, MO 64111

John D. Macias, M D
The Otology Group
1811 State Street
Nashville, TN 37203

Gregory J. Matz, M D
Loyola University of Chicago
2160 S. First Avenue, #105-1870
Maywood, IL 60153

Sauml N. Merchant, M D
Dept of Otolaryngology
Massachusetts Eye & Ear Infirmary
243 Charles Street
Boston, MA 02114

Richard T. Miyamoto, M D
702 Barnhill Drive
Indianapolis, IN 46202

Edwin M. Monsell, M D., Ph.D.
Dept Otolaryngology - HNS
Henry Ford Hospital
2799 West Grand Blvd K-8
Detroit, MI 48202

Dennis G. Pappas, Jr., M D
Dept Otolaryngology
NYU School of Medicine
550 First Avenue
New York, NY 10016

John Park, B S.
517 S Euclid Ave
St. Louis, MO 63110

Isolde Thalmann, Ph D.
Washington University
Dept Otolaryngology
517 S Euclid Avenue
St. Louis, MO 63110

Bradley P. Pickett, M D
Department of Otolaryngology/HNS
UVA Health Sciences Center,
Box 430
Charlottesville, VA 22908

Samuel H. Selesnick, M.D.
The New York Hospital
Department of Otolaryngology
520 East 70th Street
Starr Pavillion 541
New York, NY 10021

John J. Shea, Jr., M D.
6133 Poplar Pike
Memphis, TN 38119

Robert A. Sotterman, M D
1 South Prospect Street
Burlington, VT 05401

Fred F. Tefischi, M D.
Dept of Otolaryngology - HNS
Miami Ear Institute
Univ of Miami Sch of Medicine
P O Box 016960 (D- 48)
Miami, FL 33101

Phillip A. Wackym, M.D.
Goodhill Ear Center, UCLA
Sch of Med
31-24 Rehabilitation Center
100 Veteran Avenue
Los Angeles, CA 90024-1794

Susan B. Waltzman, Ph D.
Department of Otolaryngology
NYU School of Medicine
550 First Avenue
New York, NY 10016

Peter C. Weber, M D.
Dept of Otolaryngology - HNS
Univ Iowa Hospitals & Clinics
Iowa City, IA 52242

John W. Werning, M D., D.M.D.
Department of Otolaryngology
University Hospitals of Cleveland
2074 Abington Road
Cleveland, OH 44106

AWARD OF MERIT RECIPIENTS

1974 George F. Shambaugh, Jr., M D
1975 Catherine A. Smith, Ph D
1976 Harry Rosenwasser, M D
1977 Frank Lathrop, M D
1978 Juergen Tomndori, M D
1979 John Bordley, M D
1980 Ben H. Senturia, M D
1981 J. Brown Farmer, M D
1982 William F. House, M D
1983 Victor Goodhill, M D

1984 Harold F. Schuknecht, M.D.
1985 Wesley H. Bradley, M.D.
1986 John J. Shea, M D
1987 Jack V. House, M D
1988 George D. Nager, M.D.
1989 Brian F. McCabe, M D
1990 Eugene I. Derlacki, M D
1991 Richard R. Gacek, M.D.
1992 James I. Sheehy, M D
1993 James A. Donaldson, M D

1993-94 MEMBERSHIP LIST OF THE AMERICAN OTOLOGICAL SOCIETY

**ACTIVE

- 1987 Adkins, Warren Y. Department of Otolaryngology
Medical Univ. of South Carolina
171 Ashley Avenue
Charleston, SC 29425
- 1988 Adour, Kedar..... Kaiser Permanente Medical Center
280 W. MacArthur Blvd
Oakland, CA 94611
- 1982 Alberti, Peter W.259 Glencairn Avenue
Toronto, Ontario
Canada M5N 1T8
- 1970 Alford, Bobby R.6501 Fannin Street
Houston, TX 77030
- 1987 Althaus, Sean R.3300 Webster Street
No. 500 Oakland, CA 94609
- 1985 Applebaum, Edward1855 West Taylor Street
Chicago, IL 60612
- 1980 Austin, David F.....2860 Channing Way, Suite 202
Idaho Falls, ID 83404
- 1993 Babin, Richard W.....River Bend Head & Neck Assoc.
6570 Stage Road, Suite 245
Bartlett, TN 38134
- 1969 Bailey, Jr., H. A. Ted1200 Medical Towers Building
Little Rock, AR 72205
- 1991 Balkany, Thomas J.Univ. of Miami School of Medicine
Dept of Otolaryngology
PO Box 016960
Miami, FL 33101
- 1992 Bartels, Loren J..... 2504 High Oaks Lane
Lutz, FL 33549
- 1983 Black, F. Owen..... 1040 N.W. 22nd Avenue N010
Portland, OR 97210
- 1977 Bluestone, Charles D125 DeSoto Street
Pittsburgh, PA 15213
- 1982 Boles, Roger..... 400 Parnassus Avenue
San Francisco, CA 94143
- 1979 Brackmann, Derald E.2100 West Third Street
Los Angeles, CA 90057
- 1978 Britton, B. Hill Univ. of Oklahoma-HSC
Dept. of Otorhinolaryngology
3SP226 P.O. Box 26901
Oklahoma City, OK 73190-3048
- 1988 Brookhouser, Patrick EBoystown National Institute of
Communication Disorders in Children
555 N. 30th Street
Omaha, NE 68131
- 1969 Buckingham, Richard A. 145 South Northwest Highway
Park Ridge, IL 60068

- 1991 Canalis, RinaldoDiv. Head & Neck Surgery
Harbor-UCLA1000 W. Carson Street
Torrance, CA 90509
- 1979 Cantrell, Robert W University of Virginia
Department of Otolaryngology
Charlottesville, Va 22908
- 1975 Catlin, Francis I. 13307 Queensbury Lane
Houston, TX 77079
- 1973 Chandler, J. Ryan.....1700 NW 10th Avenue
Miami, FL 33136
- 1984 Chole, Richard..... Otology Research Lab
1159 Surge III
Davis, CA 95616
- 1976 Clemis, Jack D..... 151 North Michigan Avenue
Chicago, IL 60601
- 1985 Cohen, Noel L. Dept of Otolaryngology
NYU Medical Center
550 First Avenue
New York, NY 10016
- 1991 Coker, Newton J. Dept. of Otolaryngology
Baylor College of Medicine
One Baylor Plaza
Houston, TX 77030
- 1972 Crabtree, James A..... 624 West Duarte Road, Suite 106
Arcadia, CA 91006
- 1975 Dayal, Vijay S Department of Otolaryngology
University of Chicago Medical Ctr
Chicago, IL 60637
- 1991 De la Cruz, Antonio..... 2100 W. Third Street
Los Angeles, CA 90057
- 1991 Dickins, John R.E. 1200 Medical Towers Building
Little Rock, AR 72205
- 1985 Dobie, Robert A..... Dept of Otolaryngology, UTSA
7703 Floyd Curl Drive
San Antonio, TX 78284
- 1974 Donaldson, James A Seattle Ear Clinic
600 Broadway, #340
Seattle, WA 98122-5371
- 1987 Doyle, Patrick J..... 4555 Magnolia Street
Vancouver, BC V6J 4B6 Canada
- 1988 Duckert, Larry G Department of Otolaryngology
P. O. Box 351928
RL-30, University of Washington
Seattle, WA 98195
- 1988 Eden, Avrim R.Dept. of Otolaryngology
Mount Sinai Medical Ctr, Box 1189
Fifth Ave & 100 St
New York, NY 10029-6574
- 1990 Emmett, John R 6133 Poplar Pike at Ridgeway
Memphis, TN 3811

- 1981 Eviatar, Abraham..... 1575 Blondell Avenue, Suite 150
Bronx, NY 10461
- 1984 Farmer, Joseph C Division of Otolaryngology
Duke Univ Medical Ctr, Box 3805
Durham, NC 27710
- 1990 Farrior, III, Jay B. 509 Bay Street
Tampa, FL 33606
- 1978 Fredrickson, John M. 517 South Euclid
St. Louis, MO 63110
- 1969 Gacek, Richard R 750 East Adams Street
Syracuse, NY 13210
- 1987 Gantz, Bruce J..... Dept of Otolaryngology
University of Iowa
Iowa City, IA 5224
- 1983 Gardner, Jr., L. Gale. 899 Madison Avenue, Suite 602A
Memphis, TN 38103
- 1987 Gates, George A..... University of Washington
Dept. of Otolaryngology RL-30
Seattle, WA 98135
- 1973 Glasscock,III, Michael E..... 1811 State Street
Nashville, TN 37203
- 1987 Goin, Donald W..... 799 East Hampden Ave, Suite 510
Englewood, CO 80110-2769
- 1989 Goldenberg, Robert A..... 111 West First St, Suite 1000
Dayton, OH 45402
- 1990 Goode, Richard L..... 121 Giffin Road
Los Altos, CA 94022
- 1992 Goycoolea, Marcos V. San Crescente 70
Las Condes, Santiago, Chile
- 1979 Graham, Malcolm D. Georgia Ear Institute
Provident Professional Bldg., Suite 103
4750 Waters Avenue
Savannah, GA 31404
- 1991 Gulya, Julianna Georgetown Univ. Medical Ctr.
3800 Reservoir Road, N.W.
Washington, DC 20007
- 1987 Harker, Lee A..... Boystown National
Research Hospital
555 North 30th Street
Omaha, NE 68131
- 1987 Harner, Stephen G..... Mayo Clinic
200 First Street SW
Rochester, MN 55905
- 1988 Harris, Jeffery P..... Univ. of California Medical Ctr
225 Dickinson St H-895
San Diego, CA 92102
- 1992 Hart, Cecil W. J 707 North Fairbanks Ct, Ste 1000
Chicago, IL 60611
- 1984 Hawke, W. Michael..... 1849 Yonge Street, Suite D
Toronto, Ontario M4S 1Y2 Canada

- 1992 Hoffman, Ronald A..... 1430 Second Avenue
New York, NY 10021
- 1984 House, John W..... 2100 West Third Street
Los Angeles, CA 90057
- 1964 House, William F Newport Lido Medical Center
361 Hospital Road, Suite 327
Newport Beach, CA 92663
- 1987 Hughes, Gordon B Dept of Otolaryngology
Cleveland Clinic
Cleveland, OH 44106
- 1992 Jackler, Robert K..... Univ of California-San Francisco
350 Parnassus Ave, Suite 210
San Francisco, CA 94117
- 1990 Jackson, C. Gary..... The Otology Group
1811 State Street
Nashville, TN 37203
- 1992 Jahn, Anthony..... 556 Eagle Rock Avenue
Roseland, NJ 07068
- 1982 Jahrsdoerfer, Robert A..... 6431 Fannin Street
Houston, TX 77030
- 1987 Jenkins, Herman A. Dept of Otolaryngology
Baylor College of Medicine
Houston, TX 77030
- 1990 Jung, Timothy K. ENT Division, Loma Linda
11790 Pecan Way
Loma Linda, CA 92354
- 1988 Kamerer, Donald B. Eye and Ear Hospital
203 Lothrop Street, Suite 500
Pittsburgh, PA 15213
- 1991 Kartush, Jack. Michigan Ear Institute
27555 Middlebelt Road
Farmington Hills, MI 48334
- 1992 Katsarkas, Anthanasios..... Royal Victoria Hospital
687 Pine Avenue
W Montreal, PQ H3A, Canada
- 1987 Keim, Robert J 711 Stanton L. Young Blvd
Suite 100
Oklahoma City, O73104
- 1981 Kinney, Sam E. 9500 Euclid Avenue
Cleveland, OH 44106
- 1976 Kohut, Robert I..... Bowman Gray School of Medicine
Dept of Otolaryngology
Medical Center Boulevard
Winston-Salem, NC 27157-1034
- 1991 Konrad, Horst. Southern Illinois University
School of Medicine
Div of Otolaryngology,
PO Box 19230
Springfield, IL 62794
- 1993 Kumar, Arvind. 1855 W. Taylor St., M/C 648
Chicago, IL 60612

- 1993 Lesinski, S. George. 629 Oak Street, Suite 201
Cincinnati, OH 45206
- 1987 Lindeman, Roger C. 1100 Ninth Avenue
Seattle, WA 98101
- 1988 Lippy, William H..... 3893 East Market Street
Warren, Ohio 44484
- 1969 Litton, Ward B 608 35th Avenue
Moline, IL 61265
- 1991 Luetje, Charles M. Otolologic Center, Inc.
Penntower Office Center
3100 Broadway, Suite 509
Kansas City, MO 64111
- 1965 McCabe, Brian F. University of Iowa
Dept of Otolaryngology
Iowa City, Iowa 52242
- 1987 McDonald, Thomas J.P Mayo Clinic
200 First Street, SW
Rochester, MN 55905
- 1970 Maddox, H. Edward..... 7777 Southwest Freeway
Houston, TX 77074
- 1987 Mangham, Jr., Charles A..... Seattle Ear Clinic
600 Broadway, Suite 340
Seattle, WA 98122
- 1989 Maniglia, Anthony J. University Hospitals of Cleveland
2074 Abington Road
Cleveland, OH 44106
- 1985 Mathog, Robert H 540 East Canfield Avenue
Detroit, MI 48201
- 1992 Mattox, Douglas E..... 1314 Locust Avenue
Ruxton, MD 21204
- 1979 Matz, Gregory J. Dept of Otolaryngology-HNS
2160 South First Avenue
Maywood, IL 60153
- 1981 Meyerhoff, William L Univ of Texas Health Science Ctr
Dallas, TX 75235
- 1987 Miyamoto, Richard T. 702 Barnhill Drive
Indianapolis, IN 46223
- 1975 Montgomery, William..... .. 243 Charles Street
Boston, MA 02114
- 1974 Myers, Eugene N. Eye and Ear Institute
203 Lothrop Street, Suite 500
Pittsburgh, PA 15213
- 1988 Nadol, Jr., Joseph B 243 Charles Street
Boston, MA 02114
- 1968 Nager, George T. 601 North Broadway
Baltimore, MD 21205
- 1987 Nedzelski, Julian M..... . . Dept of Otolaryngology
Sunnybrook Medical Center
1075 Bayview Avenue
Toronto, Ontario M4N3M5, Canada

- 1985 Neely, J. Gail Washington University School of Medicine
517 South Euclid Avenue, Box 8115
St. Louis, MO 63110
- 1993 Olsson, James E. Texas Neurosciences Institute
4410 Medical Drive, Suite 550
San Antonio, TX 78229
- 1968 Paparella, Michael M..... 701 25th Avenue South
Minneapolis, MN 55454
- 1985 Pappas, Dennis 2937 7th Avenue South
Birmingham, AL 35233
- 1983 Pappas, James J..... 1200 Medical Towers Building
9601 Lile Drive
Little Rock, AR 72205-6358
- 1982 Parisier, Simon C..... 210 East 64th Street
New York, NY 10021
- 1986 Parkin, James L. Division of Otolaryngology
Univ of Utah School of Medicine
Salt Lake City, UT 84132
- 1992 Pensak, Myles L. Univ of Cincinnati
College of Medicine
231 Bethesda Ave, ML 528
Cincinnati, OH 45267-0528
- 1988 Pillsbury, Harold C..... 610 Burnett-Womack Bldg, 229H
University of North Carolina
Chapel Hill, NC 27514
- 1989 Proctor, Leonard R..... 2007 Indian Head Road
Baltimore, MD 21204
- 1969 Pulec, Jack..... 1245 Wilshire Blvd, Room 503
Los Angeles, CA 90017
- 1989 Radpour, Shokri..... Richard L. Roudebush, VA Med Ctr
1481 West 10th Street
Indianapolis, IN 46202
- 1992 Roland, Peter S. 5323 Harry Hines Blvd.
Dallas, TX 75235-9035
- 1972 Ronis, Max L..... 3400 North Broad Street
Philadelphia, PA 19140
- 1974 Ruben, Robert..... Montefiore Medical Center
111 East 210th Street VCA-4
Bronx, NY 10461
- 1989 Rybak, Leonard P. 2528 Argonne
Springfield, IL 62704
- 1992 Sasaki, Clarence T..... Yale Univ. School of Medicine
Section of Otolaryngology
333 Cedar Street, Box 333
New Haven, CT 06510
- 1960 Sataloff, Joseph 1721 Pine Street
Philadelphia, PA 19103
- 1990 Sataloff, Robert T..... 1721 Pine Street
Philadelphia, PA 19103

- 1972 Saunders, William H..... 456 Clinic Drive
Columbus, OH 43210
- 1983 Schindler, Robert A. A717, 400 Parnassus Avenue
San Francisco, CA 94143
- 1990 Schuring, Arnold G 3893 East Market Street
Warren, OH 44484
- 1993 Schwaber, Mitchell Vanderbilt University
RM S-2100 Medical Center North
Nashville, TN 37232
- 1967 Shea, Jr., John I. Box 17987
Memphis, TN 38119
- 1965 Sheehy, James L. 2100 West Third Street
Los Angeles, CA 90057
- 1973 Silverstein, Herbert 1916 Floyd Street, Suite A
Sarasota, FL 33579
- 1973 Simmons, F. Blair. 300 Pasteur Drive, Room R-135
Palo Alto, CA 94025
- 1972 Singleton, George T. University of Florida
JHMHC, Box J-264
Gainesville, FL 32610
- 1993 Sismanis, Aristides.....1917 Windingridge Drive
Richmond, VA 23233
- 1973 Smith, Mansfield F.W.....2120 Forest Avenue
San Jose, CA 95128
- 1988 Smith, Peter G.....Midwest Otologic Group
621 South New Ballas Rd.
St. Louis, MO 63110
- 1979 Spector, Gershon Jerry.....517 South Euclid Avenue
St. Louis, MO 63110
- 1972 Ward, Paul HUCLA School of Medicine
Division of Head and Neck Surgery
Los Angeles, CA 90024
- 1993 Wazen, Jack J.....Columbia University
630 W. 168th Street
New York, NY 10032
- 1975 Wehrs, Roger E.....6465 South Yale
Tulsa, OK 74136
- 1990 Weider, Dudley J.....38 Rip Road
Hanover, NH 03755
- 1987 Wiet, Richard J.950 York Road
Hinsdale, IL 60521
- 1992 Wilson, David F.3210 SW Fairmount Blvd
Portland, OR 97201
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Philadelphia, PA 19103

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1988 (1961) Bradley, Wesley H	13 Saybrook East Glenmont, NY 12077
1988 (1964) Brockman, Seymour J	2080 Century Park East, #101 Los Angeles, Ca 90067
1992 (1972) Caparosa, Ralph J.....	420 E. North Avenue #402 Pittsburgh, PA 15212-4746
1990 (1958) Cody, III, Claude C	820 Memorial Hospital Professional Building Houston, TX 77074
1992 (1969) Cody, D. Thane.	541 LeMaster Dr. Ponte Vedra Beach, FL 32082
1990 (1966) Cole, James M.....	Geisinger Medical Center Danville, PA 17821
1989 (1968) Compere, Wesley E.....	3755 Avocado Blvd #503 LeMesa, CA 91941
1981 (1961) Daly, John F.	1500 Palisase Avenue #27C Fort Lee, NJ 07024-5318
1989 (1958) Derlacki, Eugene L. ...	Northwestern Medical Faculty Fnd. 707 N. Fairbanks Ct, Ste 1010 Chicago, IL 60611
1979 (1959) Dolowitz, David A.....	Box 524 Toquerville, UT 84774
1971 (1939) Druss, Joseph G	145 East 92nd Street New York, NY 10028
1974 (1993) Duvall, III, Arndt J.....	University of Minnesota, Box 478 Minneapolis, MN 55455
1988 (1957) Farrior, J. Brown	509 West Bay Street Tampa, FL 33606
1973 (1953) Glorig, Aram.	2122 West Third Street Los Angeles, CA 90057
1985 (1950) Goodhill, Victor.....	715 North Walden Drive Beverly Hills, CA 90210
1970 (1993) Harris, Irwin.....	10419 Lindbrook Los Angeles, CA 90024
1973 (1993) Harrison. Wiley H....	Northwestern Medical Faculty Fnd. 707 N. Fairbanks Ct. Suite 1010 Chicago, IL 60611
1992 (1972) Hilding, David A.....	#1 Hospital Drive Price, UT 84501
1975 (1951) Hilger, Jerome.	650 Jackson Street St. Paul, MN 55101

1990 (1970) Hohmann, Albert3154 Shoreline Lane
St. Paul, MN 55112-3764

1990 (1960) Hough, Jack V3400 NW 56th Street
Oklahoma City, OK 73112

1975 (1947) House, Howard P.....2100 West Third Street
Los Angeles, CA 90057

1975 (1953) Jordan, Raymond E520 Bay Villas Lane
Naples, FL 33963

1972 (1952) Juers, Arthur L.....5701 Coach Gate Wyade, Apt 50
Louisville, KY 40207

1981 (1954) Kos, Clair M.....6801 W. Poly Webb Road, #124
Arlington, TX 76016

1967 (1991) Linthicum, Jr., Fred H.....2122 West Third Street
Los Angeles, CA 90057

1987 (1975) Marcus, Richard E691 Sheridan Road
Winnetka, IL 60093

1980 (1952) McQuiston, Ralph J.....20 North Meridian Street
Indianapolis, IN 46204

1990 (1974) Michelson, Robin P.A717, 400 Parnassus Avenue
San Francisco, CA 94143

1989 (1965) Moon, Jr., Cary N.....1135 Inglegress Drive
Charlottesville, VA 22901

1987 (1952) Moore, James A.....525 East 68th Street
New York, NY 10022

1978 (1957) Myers, David.....2401 Pennsylvania Avenue
Philadelphia, PA 19130

1968 (1993) Naunton, Ralph F.....DCSD-NIDCD EPS-400B
6120 Executive Boulevard
Rockville, MD 20892

1973 (1993) Pennington, Claude L.PO Box 1916
Macon, GA 31202

1992 (1975) Powers, W. Hugh728 Wind Willow Way
Simi Valley, CA 93065

1983 (1959) Proud, Gunner O3721 West 87th Street
Shawnee Mission, KS 66206

1983 (1958) Rambo, J.H. Thomas.150 East 77th Street
New York, NY 10021

1972 (1993) Ritter, Frank N.....2675 Englave Drive
Ann Arbor, MI 48103

1967 (1993) Ruggles, Richard L.....11201 Shaker Boulevard
Cleveland, OH 44104

1991 (1969) Robinson, Mendell.....130 Waterman Street
Providence, RI 02906

1992 (1967) Rubin, Wallace.....3434 Houma Boulevard
Metairie, LA 70006

1987 (1966) Schlosser, Woodrow D.....1557A Pheasant Walk
Fort Pierce, FL 34950

1990 (1957) Schuknecht, Harold F.243 Charles Street
Boston, MA 02114

- 1975 (1950) Shambaugh, Jr., George.40 South Clay St
Hinsdale, IL 60521
- 1976 (1952) Simonton, Kinsey M.1000 Vicars Landing Way F203
Ponte Vedra, FL 32082
- 1980 (1958) Smith, J. Brydon.21 Farrington Drive
Willowdale, Ontario
M2L 2B4, Canada
- 1973 (1993) Snow, Jr., James B.National Institute on Deafness
and Communicative Disorders
9000 Rockville Pike, 313C02
Bethesda, MD 20892
- 1990 (1967) Stroud, Malcolm H517 South Euclid Avenue
St. Louis, MO 63110
- 1971 (1947) Stuart, Edwin A.....6278 Oakland Road
Halifax, Nova Scotia
B3H 1P2, Canada
- 1990 (1961) Tabb, Harold G.1430 Tulane Avenue
New Orleans, LA 70112
- 1985 (1965) Taylor, G. Dekle.13500 Mandarin Road
Jacksonville, FL 32223
- 1984 (1974) Torok, Nicholas42 Portwine Road
Clarendon Hills, IL 60514
- 1972 (1946) Truex, Edward H37 Farmington Road
Wethersfield, CT 06109
- 1981 (1962) Waltner, Jules G.....161 Fort Washington Ave
New York, NY 10032
- 1989 (1972) Wilson, William H1133 Oneida Street
Denver, CO 80220
- 1986 (1964) Withers, Ben T.....4703 Ivanhoe
Houston, TX 77027
- 1975 (1953) Work, Walter P.172 Paseo De Golf
Green Valley, AZ 85614
- 1990 (1978) Wright, Jr., J. William.....7474 Holiday Drive E
Indianapolis, IN 46260-3612
- 1987 (1964) Wright, William K3671 Delmonte
Houston, TX 77019

1993-94 MEMBERSHIP LIST OF THE AMERICAN OTOLOGICAL SOCIETY

**EMERITUS

- 1992 (1977) Bergstrom, Lavonne.....304 20th Street
Manhattan Beach, CA 90266
1979 (1963) Boyd, Harold M.E.....22726-A Nadine Circle
Torrance, CA 90505-2720
1973 (1957) Tolan, John F.....3419 47th Avenue NE
Seattle, WA 98105

1993-94 MEMBERSHIP LIST OF THE AMERICAN OTOLOGICAL SOCIETY

**Associate

- 1992 Altschuler, Richard A. PhD.....Kresge Hearing Research Inst.
University of Michigan
1301 N. Ann Street
Ann Arbor, MI 48109-0506
1979 Bohne, Barbara A. PhD517 South Euclid Avenue
St. Louis, MO 63110
1978 Butler, Robert A. PhDDepartment of Surgery
University of Chicago
Chicago, IL 60637
1973 Fernandez, Cesar MD.....6019 Ingleside Avenue
Chicago, IL 60637
1959 Graybiel, Ashton MD.....PO Box 4063
Warrington, FL 32507
1977 Gussen, Ruth MD.....UCLA School of Medicine
Rehab. Ctr 32-34
Los Angeles, CA 90024
1992 Hamid, Mohamed A. PhD50 Greentree
Moreland Hills, OH 44022
1992 Hannley, Maureen T. PhDAmer Acad of Otolaryngology
Head and Neck Surgery
1 Prince Street
Alexandria, VA 22314
1972 Hawkins, Jr, Joseph E. PhD.....Kresge Hearing Research Inst.
Ann Arbor, MI 48104
1989 Hinojosa, Raul PhD.....5316 Hyde Park Boulevard
Chicago, IL 60615
1972 Honrubia, Vicente MD.....850 North Beverly Glen Blvd
Los Angeles, CA 90024
1973 Igarashi, Makota MD.....Moto Azabu 3-12-18
Minato-Ku Tokyo, Japan
1960 Johnson, Walter H. PhD.University of Toronto
Dept of Otolaryngology
Toronto, Ontario, Canada

- 1979 Johnsson, Lars-Goran MD.....Simmarstigen 10A2
Helsinki 33, Finland
- 1980 Juhn, S.K. MD.....Univ of Minn. Medical School
Minneapolis, MN 55414
- 1969 Kiang, Nelson Y.S. PhD.18 Cedar Lane Way
Boston, MA 02108
- 1978 Kimura, Robert S. PhD.....243 Charles Street
Boston, MA 02114
- 1959 Lawrence, Merle PhD1535 Shorelands Dr. East
Vero Beach, FL 32960
- 1973 Lim, David J. MD.....900 Rockville Pike
Bldg. 31, Room 3C06, NIH
Bethesda, MD 20892
- 1986 Merzenich, Michael PhD.....University of California
Coleman Laboratory HSE 871
San Francisco, CA 94143
- 1979 Miller, Josef M. PhD.University of Michigan
Kresge Hearing Research Inst
1301 East Ann Street
Ann Arbor, MI 48109
- 1985 Morizono, Tetsuo MD.....Dept. of Otolaryngology
Fukuoka University Medical School
Nanakuma 7-45-1
Jonak-Kufukuoka, JAPAN 814-01
- 1978 Neff, William D. PhD.....Center for Neural Sciences
Indiana University
Bloomington, IN 47401
- 1970 Rosenblith, Walter A. PhDM.I.T., Rm 3-240
Cambridge, MA 02139
- 1986 Rubel, Edwin W. PhDDept of Otolaryngology
RL-30 University of Washington
Seattle, WA 98195
- 1989 Ryu, Jai H. PhD.....Dept of Otolaryngology
Bowman Gray School of Medicine
Winston-Salem, NC 27103
- 1975 Sando, Isamu MD.....230 Lothrop Street
Pittsburgh, PA 15213
- 1992 Schacht, Jochen PhDKresge Hearing Research Inst
University of Michigan
1301 East Ann Street
Ann Arbor, MI 48109-0506
- 1950 Silverman, S. Richard PhD.....2510 NW 38th Street
Gainesville, FL 32601
- 1962 Smith, Catherine A. PhD16200 S. Pacific Hwy 34
Lake Oswego, OR 97201
- 1992 Snyder, Jack McLean PhD.....Dept of Otolaryngology
RL-30 University of Washington
Seattle, WA 98195
- 1971 Thalmann, Ruediger MD517 South Euclid Avenue
St. Louis, MO 63110

- 1970 Valvassori, Galdino MD.....55 East Washington
Chicago, IL 60602
- 1987 Van De Water, Thomas MDAlbert Einstein College of Med
1300 Morris Park Avenue
Bronx, NY 10461
- 1974 Vernon, Jack A. PhDUniv of Oregon Medical School
Portland, OR 97201
- 1971 Ward, W. Dixon PhD.....246 Maple Hill Road
Hopkins, MN 55343
- 1984 Zwislocki, Jozef J. ScD.....Institute of Sensory Research
Syracuse University
Syracuse, NY 13210

1993-94 MEMBERSHIP LIST OF THE AMERICAN OTOLOGICAL SOCIETY

**HONORARY

1993 Albernaz, Pedro.....	Ave Faria Lima 830 Sao Paulo, Brazil 01452
1993 Belal, Aziz	Alexandria, Egypt
1993 Chiossone, Edgar.....	25897 E 30 Apartado 62-277 Caracas, Venezuela 1060
1985 Fisch, Ugo.....	Forchstrasse 26 Erlenbach, Switzerland
1992 Goldstein, Jerome C	Amer Acad of Otolaryngology Head & Neck Surgery 1 Prince Street Alexandria, VA 22314
1968 Jongkees, L.B.W	Reijnier Vinkeleskade 71 1071 S2 Amsterdam The Netherlands
1985 Morrison, Andrew.	38 Devonshire Street London W1, England
1992 Nomura, Yasuya.	Dept of Otolaryngology Showa University 1-5-8 Hatanodai, Shinagawa-ku Tokyo 142, Japan
1983 Portmann, Michel.....	114 Ave de'Ares 33000 Bordeaux, France

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Honorary Membership 1952
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Active Membership 1967
Senior Membership 1988
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