



PROGRAM  
of the

*One Hundred Thirtieth  
Annual Meeting*

**AMERICAN  
OTOLOGICAL SOCIETY, INC.**

May 10-11,  
1997

**Scottsdale Princess Hotel  
Scottsdale, Arizona**

# **OFFICERS**

## **JULY 1, 1996 - JUNE 30, 1997**

### **PRESIDENT**

Joseph C. Farmer, Jr., M.D.  
Duke University Medical Center  
Division of Otolaryngology-Box 3805  
Durham, NC 27710

### **PRESIDENT-ELECT**

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

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Loyola University Medical Center  
2160 S. First Avenue (105-1870)  
Maywood, IL 60153

### **EDITOR-LIBRARIAN**

A. Julianna Gulya, M.D.  
1558 North Colonial Drive  
Arlington, VA 22209

### **COUNCIL**

The above Officers  
and  
Robert A. Jahrsdoerfer, M.D.  
Derald E. Brackmann, M.D.  
C. Gary Jackson, M.D.  
Horst R. Konrad, M.D.

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 10, 1997**

REGISTRATION - 7 a.m.

BUSINESS MEETING - 7 a.m.

ROOM: SALONS F AND G  
(Restricted to Members)

Minutes of the Annual Meeting 1996

Introduction of New Members

Election of Nominating Committee

Report of the Secretary-Treasurer

Report of the Editor-Librarian

SCIENTIFIC PROGRAM - 7:30 a.m.

ROOM: SALONS F AND G  
(Open to Non-Members)

Remarks by the President

**Joseph C. Farmer, Jr., M.D.**

Remarks by the Guest of Honor

**Mansfield F.W. Smith, M.D.**

Presidential Citation

Research Triangle Institute,

Center for Auditory Prosthesis Research

Blake Wilson, B.S.E.E., Dewey T. Lawson, Ph.D.,

Charles C. Finley, Ph.D., Mariangeli Zerbi, M.S.



## COCHLEAR IMPLANTS

1. 7:46 a.m. Within-Patient Comparisons Among Processing Strategies for Cochlear Implants  
**Dewey T. Lawson, Ph.D.**  
**Blake S. Wilson, B.S.E.E.\***  
(by invitation)  
**Mariangeli Zerbi, M.S.**  
**Patricia A. Roush, M.A.**  
**Chris van den Honert, Ph.D.**  
**Charles C. Finley, Ph.D.**  
**Debara L. Tucci, M.D.**  
**Joseph C. Farmer, M.D.**
  
2. 7:54 a.m. Bilateral Cochlear Implants Controlled By A Single Speech Processor  
**Dewey T. Lawson, Ph.D.\***  
(by invitation)  
**Blake S. Wilson, B.S.E.E.**  
**Mariangeli Zerbi, M.S.**  
**Chris van de Honert, Ph.D.**  
**Charles C. Finley, Ph.D.**  
**Joseph C. Farmer, Jr., M.D.**  
**John T. McElveen, Jr., M.D.**  
**Patricia A Roush, M.A.**
  
3. 8:02 a.m. Performance with the new Cochlear 20+2L Lateral Wall Cochlear Implant  
**Paul R. Kileny, Ph.D.\***  
**Steven A. Telian, M.D.**  
**Terry A. Zwolan, Ph.D.**  
**Angelique K. Boerst, M**

## NOTES

4. 8:10 a.m. The Clarion Multi-Strategy Cochlear Implant: Surgical Technique, Complications, and Results  
**Anil K. Lalwani, M.D.\***  
 (by invitation)  
**Jannine B. Larky, M.D.**  
**Karen Kwast, M.A.**  
**Robert A. Schindler, M.D.**
5. 8:18 a.m. Cochlear Implantation After Labyrinthectomy  
**George W. Facer, M.D.\***  
**Robert H. Brey, Ph.D.**  
**Ann Peterson, M.D.**
- 8:26 a.m. **DISCUSSION**

## **PEDIATRIC COCHLEAR IMPLANTS**

6. 8:33 a.m. Language Acquisition in Prelingually Deaf Children with Cochlear Implants  
**Richard T. Miyamoto, M.D.\***  
**Mario A. Svirsky, Ph.D.**  
**Amy M. Robbins, M.S.**  
**Karen Iler Kirk, Ph.D.**
7. 8:41 a.m. Long Term Results Regarding Socialization, Rehabilitation, and Education in Children with Cochlear Implants  
**M. Suzanne Hasenstab, Ph.D.**  
**Wesley D. Vander Ark, M.D.\***  
 (by invitation)  
**Shawn K. Kastetter, M.D.**  
**Jon E. Isaacson, M.D.**

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8. 8:49 a.m. Expanding Criteria for Pediatric Cochlear Implantation  
**Susan B. Waltzman, Ph.D.\***  
(by invitation)  
**Noel L. Cohen, M.D.**
9. 8:57 a.m. Speech Recognition Performance of Older Children with Implants  
**Mary Joe Osberger, Ph.D.\***  
(by invitation)  
**Sue Zimmerman-Phillips, M.S.**  
**Lisa Geier, M.S.**  
**Mary Barker, M.A.**

9:05 a.m. **DISCUSSION**

## **OTOSCLEROSIS, STAPES FUNCTION AND SURGERY**

10. 9:11 a.m. Gene Association Studies in Otosclerosis  
**Michael J. McKenna, M.D.\***  
(by invitation)  
**Arthur Kristiansen, M.S.**  
**Mary L. Bartley, R.N.**  
**Jonathan L. Haines, Ph.D.**
11. 9:19 a.m. Stapes Movement: Complex Rather Than Piston-Like  
**Kurt E. Heiland, M.D.\***  
(by invitation)  
**Richard L. Goode, M.D.**  
**Alex M. Huber, M.D.**

**\*speaker**

# NOTES

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12. 9:27 a.m. Early Post-Laser Stapedotomy  
Hearing Thresholds  
**Patrick J. Antonelli, M.D.\***  
(by invitation)  
**Gerard J. Gianoli, M.D.**  
**Michael J. LaRouere, M.D.**  
**Larry B. Lundy, M.D.**  
**Jack M. Kartush, M.D.**
13. 9:35 a.m. Laser Stapedotomy Minus Prosthesis  
**Herbert Silverstein, M.D.\***
14. 9:43 a.m. Forty Years of Stapes Surgery  
**John J. Shea, Jr., M.D.\***
- 9:51 a.m. **DISCUSSION**
- 9:58 a.m. **Intermission**



## OTOTOXICITY AND CHOLESTEATOMA

15. 10:14 a.m. The Protective Aspects of Brain  
Derived Neurotrophic Factor (BDNF)  
During Gentamicin Ototoxicity  
**Ivan Lopez, Ph.D.\***  
(by invitation)  
**Vicente Honrubia, M.D.**  
**Seung Chul Lee, M.D.**  
**Gang Li, M.D.**  
**Karl Beykirch, M.S.**  
**Paul Mycevich, Ph.D.**
16. 10:22 a.m. Effect of Protective Agents  
Against Cisplatin Ototoxicity  
**Leonard P. Rybak, M.D., Ph.D.\***  
**Satu M. Somani, Ph.D.**
17. 10:30 a.m. Cholesteatoma: A Molecular and  
Cellular Puzzle  
**Anthony P. Albino, Ph.D.\***  
(by invitation)  
**Simon C. Parisier, M.D.**
18. 10:38 a.m. Cytotoxicity of Cytokeratin Monoclonal  
Antibodies Against Keratinocytes—  
A Possible Therapeutic Adjunct  
For Cholesteatoma?  
**Moises A. Arriaga, M.D.\***  
(by invitation)  
**Patti Dixon**
- 10:46 a.m. **DISCUSSION**



## INNER EAR DISEASE

19. 10:52 a.m. Intratympanic Gentamicin for the Treatment of Meniere's Disease  
**Dennis S. Poe, M.D.\***  
**Tarek F. Youssef, M.D.**
20. 11:00 a.m. The Role of Endolymphatic Mastoid Shunt Surgery in the Managed Care Era  
**Myles L. Pensak, M.D.\***  
**Rick A. Freidman, M.D., Ph.D.**
21. 11:08 a.m. The Acute Effects of Hemodialysis On the Inner Ear  
**Jeffrey J. Dyer, M.D.\***  
(by invitation)  
**Barry Strasnick, M.D.**  
**John T. Jacobson, Ph.D.**  
**Claire A. Jacobson, M.S.**
22. 11:16 a.m. Autoimmune Sensorineural Hearing Loss: Clinical Characteristics  
**Ralph A. Nelson, M.D.\***  
**Donald Robertson, M.D.**  
**M. Jennifer Derebery, M.D.**  
**Karen I. Berliner, Ph.D.**
23. 11:24 a.m. Long-Term Treatment Outcomes in Autoimmune Sensorineural Hearing Loss  
**M. Jennifer Derebery, M.D.\***  
(by invitation)  
**Donald Robertson, M.D.**  
**Ralph A. Nelson, M.D.**  
**Karen I. Berliner, Ph.D.**
- 11:52 a.m. **DISCUSSION**

\*speaker

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## FACIAL NERVE DISEASE AND SURGERY

24. 11:39 a.m. Facial Nerve Injury in Congenital Aural Atresia Surgery  
**Robert A. Jahrsdoerfer, M.D.\***  
**Paul R. Lambert, M.D.**
25. 11:47 a.m. Facial Nerve Surgery in the 19th and 20th Centuries: The Controversy Between Crossover Anastomosis and Nerve Repair  
**Saurabh B. Shah, M.D.\***  
(by invitation)  
**Robert K. Jackler, M.D.**
26. 11:55 a.m. Ultrastructural Findings of a Facial Nerve Schwannoma  
**Dennis G. Pappas, Jr., M.D.\***  
(by invitation)  
**Suzanne Chen, Ph.D.**  
**Noel L. Cohen, M.D.**  
**Paul E. Hammerschlag, M.D.**  
**Laura Downey, M.D.**
- 12:03 p.m. **DISCUSSION**
- 12:08 p.m. **GROUP PHOTOGRAPH**  
**MEMBERS OF THE AMERICAN**  
**OTOLOGICAL SOCIETY, INC.**  
(Location to be announced.)

\*speaker

# NOTES

**SUNDAY, MAY 11, 1997**

REGISTRATION - 12 Noon

BUSINESS MEETING - 12:30 p.m.

ROOM: SALONS F AND G

(Restricted to Members)

REPORTS OF THE:

A. Board of Trustees of the Research Fund

B. American Board of Otolaryngology

C. Award of Merit Committee

D. American College of Surgeons

E. American Academy of Otolaryngology  
Head and Neck Surgery

Report of the Audit Committee

Report of the Nominating Committee

Report of Communications

Unfinished Business

New Business

SCIENTIFIC PROGRAM - 1:00 p.m.

ROOM: SALONS F AND G

(Open to Non-Members)

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## SKULL BASE AND ACOUSTIC NEUROMA DIAGNOSIS AND SURGERY

27. 1:00 p.m. Otolgia: An Isolated Symptom of Malignant Infratemporal Fossa Tumors  
**John P. Leonetti, M.D.\***  
**John Li, M.D.**  
**Peter G. Smith, M.D., Ph.D.**
28. 1:08 p.m. Clinical Acumen and Vestibular Schwannoma  
**David A. Moffat, B.Sc., M.A.\***
29. 1:16 p.m. Acoustic Neuromas Presenting With Normal or Symmetrical Hearing: Clinical Features Which Lead to Tumor Discovery  
**Lawrence R. Lustig, M.D.\***  
(by invitation)  
**Sasha Rifkin, B.S.**  
**Robert K. Jackler, M.D.**
30. 1:24 p.m. Management of Nonacoustic Cranial Nerve Neuromata  
**Ian S. Storper, M.D.\***  
(by invitation)  
**Alexander Gorup, M.D.**  
**Jeffrey N. Bruce, M.D.**  
**Michael Sisti, M.D.**
31. 1:32 p.m. Temporal Bone and Lateral Skull Base Malignancy: Experience and Results with 81 Patients  
**Spiros Manolidis, M.D.\***  
(by invitation)  
**C. Gary Jackson, M.D.**  
**Peter G. Von Doersten, M.D.**  
**Michael E. Glasscock, III, M.D.**  
**Dennis G. Pappas, Jr., M.D.**  
**James L. Netterville, M.D.**
- 1:40 p.m. **DISCUSSION**

**\*speaker**



**TEMPORAL BONE HISTOPATHOLOGY,  
CRANIAL ANATOMY PLUS EUSTACHIAN  
TUBE AND AUDITORY FUNCTION**

32. 1:47 p.m. Relative Prevalence of Disorders Of  
Hearing or Balance Using Histologic  
Diagnostic Criteria: A Temporal Bone  
Histopathologic Study  
**Robert I. Kohut, M.D.\***  
**Jai H. Ryu, Ph.D.**  
**Raul Hinojosa, M.D.**  
**George Howard, Dr. PH.**
33. 1:55 p.m. Cranial Anatomy and Otitis Media:  
A Cadaver Study  
**N. Wendell Todd, M.D.\***
34. 2:03 p.m. Cochlear Function After Division  
Of the Lateral Semicircular Canal  
Using the Argon Laser and Microdrill  
**Josef E. Gurian, M.D.\***  
(by invitation)  
**J. Douglas Green, Jr., M.D.**  
**David A. Fabry, Ph.D.**  
**George W. Facer, M.D.**
35. 2:11 p.m. Outcomes Research in Conductive  
Hearing Loss: Development of a New  
Hearing Status Instrument  
**Michael G. Stewart, M.D.\***  
(by invitation)  
**Herman A. Jenkins, M.D.**  
**Newton J. Coker, M.D.**  
**Jamers F. Jerger, Ph.D.**  
**Louise H. Loiselle, M.S.**

## NOTES



36. 2:19 p.m. Long-Term Results with the Titanium Bone Anchored Hearing Aid (BAHA): the U.S. Experience  
**Jack Wazen, M.D.\***  
**Michele Caruso**  
**Anders Tjellstrom, M.D., Ph.D.**
37. 2:27 p.m. Teflon Paste Injections for the Treatment of Abnormally Patent Eustachian Tube: Current Technique And Long-Term Results  
**Jack L. Pulec, M.D.\***
- 2:35 p.m. **DISCUSSION**
- 2:42 p.m. **INTERMISSION**

## **PEDIATRIC OTOLOGY**

38. 3:12 p.m. Spontaneous Otoacoustic Emissions In the Early Neonate  
**Sean K. Kastetter, M.A.\***  
 (by invitation)  
**Kerri A. Rudin, M. Ed.**
39. 3:20 p.m. The Effect of Topical Ciprofloxacin On Postoperative Otorrhea Following Tympanostomy Tube Insertion  
**Terrence E. Zipfel, M.D.\***  
 (by invitation)  
**David F. Street, M.D.**  
**Jeff Wulffman, M.D.**  
**Ajit Tipirneni, B.S.**  
**Lin Frey, Ph.D.**  
**W. Edward Wood, M.D.**  
**William S. Gibson, M.D.**



40. 3:28 p.m. Long-Term Impact of Ventilation Tubes  
**Stephen G. Harner, M.D.\***  
**Charles W. Beatty, M.D.**  
**George W. Facer, M.D.**  
**Thomas J. McDonald, M.D.**
41. 3:36 p.m. Pediatric Tympanoplasty of Iatrogenic Perforations from Ventilation Tube Insertion  
**Gabriel O. Te, M.D.\***  
(by invitation)  
**Franklin M. Rizer, M.D.**  
**Arnold G. Schuring, M.D.**
- 3:44 p.m. **DISCUSSION**

## **VESTIBULAR PHYSIOLOGY AND DYSFUNCTION**

42. 3:50 p.m. A Novel Psychophysical Illusion Resulting From Interaction Between Horizontal Vestibular and Vertical Pursuit Stimulation  
**Vicente Honrubia, M.D.\***  
**Alan Greenfield, Ph.D.**
43. 3:58 p.m. Vestibular Decruitment, Hyperactivity And Rebound Caloric Nystagmus  
**Arvind Kumar, M.D.\***  
**Aftab Patni**



44. 4:06 p.m. Vestibular and Auditory Function  
Abnormalities In Silicone Breast  
Implant Patients  
**F.O. Black, M.D.\***  
(by invitation)  
**David B. Hawkins, Ph.D.**
45. 4:14 p.m. Disabling Paroxysmal Positional Vertigo  
**J. Douglas Green, Jr., M.D.\***  
(by invitation)
- 4:22 p.m. **DISCUSSION**

#### **EXTERNAL EAR CANAL, MIDDLE EAR AND MASTOID SURGERY**

46. 4:28 p.m. Surgical Treatment of Acquired  
External Auditory Canal Atresia  
**Samuel H. Selesnick, M.D.\***  
(by invitation)  
**Tuyet-Phuong K. Nguyen, B.S.**
47. 4:36 p.m. Irradiated Rib Cartilage Graft  
For Tympanic Membrane  
Reconstruction  
**Douglas L. Schulte, M.D. \***  
(by invitation)  
**Colin L.W. Driscoll, M.D.**  
**Thomas J. McDonald, M.D.**  
**George W. Facer, M.D.**  
**Charles W. Beatty, M.D.**

## NOTES

48. 4:44 p.m. Endoscopic Medial Graft  
Tympanoplasty  
**Muaaz Tarabichi, M.D.\***  
(by invitation)
49. 4:52 p.m. A Randomized Blinded Study of  
Canal Wall Up vs. Canal Wall Down  
Mastoidectomy to Determine the  
Differences in Viewing Middle Ear  
Anatomy and Pathology  
**Gregory F. Hulka, M.D.\***  
(by invitation)  
**John T. McElveen, Jr., M.D.**
50. 5:00 p.m. Reversible Canal Wall Down  
Mastoidectomy: An Alternative to  
Intact Canal Wall and Canal Wall  
Down Mastoidectomy Procedures  
**John T. McElveen, Jr., M.D.\***  
(by invitation)  
**Gregory F. Hulka, M.D.**
- 5:08 p.m. **DISCUSSION**
- 5:15 p.m. **Introduction of New President**  
**Charles M. Luetje, M.D.**

## **ADJOURNMENT**

## 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.
1953	Julius Lempert, M.D.
1954	Stacy Guild, Ph.D.
1957	Georg von Bekesy, Ph.D.
1959	Ernest Glen Wever, Ph.D.
1960	Hallowell Davis, M.D.
1961	John R. Lindsay, M.D.
1962	William J. McNally, M.D.
1965	Anderson C. Hilding, M.D.
1966	Gordon D. Hoople, M.D.
1967	Merle Lawrence, Ph.D.
1968	Lawrence R. Boles, M.D.
1969	Sir Terence Cawthorne
1970	Senator Joseph A. Sullivan, M.B.
1971	Samuel Rosen, M.D.
1972	Howard P. House, M.D.
1973	Moses H. Lurie, M.D.
1974	George E. Shambaugh, Jr., M.D.
1975	Catherine A. Smith, Ph.D.
1976	Harry Rosenwasser, M.D.
1977	Frank Lathrop, M.D.
1978	Juergen Tonndorf, M.D.
1979	John Bordley, M.D.
1980	Ben H. Senturia, M.D.
1981	J. Brown Farrior, 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. Hough, M.D.
1988	George D. Nager, M.D.
1989	Brian F. McCabe, M.D.



## AWARD OF MERIT RECIPIENTS (CONTD.)

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1990	Eugene L. Derlacki, M.D.
1991	Richard R. Gacek, M.D.
1992	James L. Sheehy, M.D.
1993	James A. Donaldson, M.D.
1994	Fred H. Linthicum, Jr., M.D.
1995	D. Thane Cody, M.D.
1996	F. Blair Simmons, M.D.

## GUESTS OF HONOR (1974-1995)

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1974	Harry Rosenwasser, M.D.
1975	John E. Bordley, M.D.
1976	Ben H. Senturia, M.D.
1977	Henry B. Perlman, M.D.
1978	Howard P. House, M.D.
1979	Hallowell Davis, M.D.
1980	Victor Goodhill, M.D.
1981	Harold Schuknecht, M.D.
1982	George E. Shambaugh, Jr., M.D.
1983	Wesley H. Bradley, M.D.
1984	Brown Farrior, M.D.
1985	Bruce Proctor, M.D.
1986	Merle Lawrence, Ph.D.
1987	Robert M. Seyfarth, Ph.D.
1989	G. Dekle Taylor, M.D.
1989	Eugene L. Derlacki, M.D.
1990	William F. House, M.D.
1991	Michael E. Glasscock III, M.D.
1992	William E. Hitselberger, M.D.
1992	D. Thane R. Cody, M.D.
1994	Cesar Fernandez, M.D.
1995	Richard R. Gacek, M.D.
1996	James L. Sheehy, M.D.

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