#### AMERICAN LARYNGOLOGICAL ASSOCIATION

Annual Meeting
Palm Beach, Florida
May 1-2, 1982

# Corresponding Fellows

Kleinsasser, Oskar

# Emeritus Fellows

Canfield, Norton
Harris, Herbert
Lathrop, Frank D.
Munoz-MacCormick, Carlos
Murtagh, John A.
Simonton, Kinsey M.
Work, Walter P.

# Active Fellows

Alford, Bobby R. Andrews, Albert H., Jr. Bailey, Byron, J. Ballenger, John J. Baxter, James D. Biller, Hugh F. Blaugrund, Stanley M. Boles, Roger Bordley, John E. Briant, Thomas D. R. Brown, Lester A. Cantrell, Robert W. Chandler, J. Ryan Cocke, Edwin W., Jr. Cohen, Seymour R. Conley, John J. Cummings, Charles Dedo, Herbert H. DeWeese, David D. Fearon, Blair Fee, Willard Ferguson, Charles F. Frazer, John P.

# Active Fellows (cont.)

. Friedberg, Stanton A. Gacek, Richard R. Gates, George Goldman, Joseph L. Hilger, Jerome A. Hudson, William R. Kirchner, Fernando R. Kirchner, John A. Krause, Charles J. Lawson, William LeJeune, Francis E., Jr. Lewis, John S. Lewy, Robert B. Lingeman, Raleigh E. Lyons, George D. McGovern, Francis H.

(?) Miglets, Andrew W., Jr. (?) Miller, Daniel Montgomery, William W. Myers, Eugene N. Neel, H. Bryan, III Norris, Charles M. Ogura, Joseph H. Olson, Nels Pang, Lup Q. Pastore, Peter N. Pennington, Claude L. Pratt, Loring W. Putney, F. Johnson Reed, George F. Ritter, Frank N. Rontal, Eugene Saunders, William H. Sisson, George A. Skolnik, Emanuel M. Snow, James B., Jr. Soboroff, Burton J. Som, Max L. Spector, Gershon J. Sprinkle, Philip M. Strong, M. Stuart Tabb, Harold G. Tardy, M. Eugene

# Active Fellows (cont.)

Thawley, Stanley
Trible, William M.
Tucker, Gabriel F., Jr.
Tucker, Harvey M.
Tucker, John Anwyl
Ward, Paul H.
Woodman, DeGraaf
Yanagisawa, Eiji

Dr. Tucker-Forgaux files

July 20, 1982

M. Eugene Tardy, MD 2913 North Commonwealth Drive Suite 430 Chicago, Illinois 60657

Dear Dr. Tardy:

On June 3rd Dr. Senturia spoke with you concerning your manuscript presented at the American Laryngological Association meeting in May. It was our understanding that your paper would not be ready for publication in our July-August issue. We will shortly be preparing the materials for the 1982 Transactions of the Association, and we will need to have the completed paper for inclusion. I am writing to you with regard to this matter since Dr. Senturia passed away on July 7th.

Would you kindly forward the completed manuscript to our offices as soon as possible so that we may proceed?

Sincerely yours,

Sara Jenkins Managing Editor

SJ/mls cc: Gabriel F. Tucker, Jr, MD Editor-Librarian

Anno Leader 13 7/16

August 13, 1982

Brian McCabe, M.D. Department of Otolaryngology University Hospitals Iowa City, Iowa 52240

Dear Brian:

I've received Mr. Cooper's kind letter of August 5th outlining the cost which the Annals would be required to pay to have a proper Transactions. Obviously we cannot underwrite such a tremendous overhead. We, I guess, are fortunate to underwrite the minimum cost which you suggest.

Things have certainly come a long way since the Annals use to give the Transactions to the Society members for the privilege of publishing their papers.

Best regards.

Sincerely,

Gabriel F. Tucker, Jr., M.D.

GFT:gm

cc: Kenneth A. Cooper, Jr.
Business Manager
Annals of Otology, Rhinology & Laryngology
4949 Forest Park Blvd
St. Louis, Missouri 63108

# ANNALS OF OTOLOGY, RHINOLOGY & LARYNGOLOGY

Founded in 1892

August 5, 1982

Gabriel F. Tucker, Jr., MD
Head, Division of Otolaryngology and
Communicative Disorders
Children's Memorial Hospital
2300 Children's Plaza
Chicago, Illinois 60614

Dear Dr. Tucker:

It was our understanding from Dr. Senturia that you had agreed to printing the Transactions of the American Laryngological Association the same way as last year. We have planned our work according to this and are distressed to hear otherwise from you. However, we will do our best to provide the information which you requested.

In 1981, the pages of scientific text for the ALA Transactions were printed at the same time as the journal. The cost for printing and typesetting was \$3,684.70 for 200 copies, 160 pages each, or \$23.03 per page. We estimate that the 1982 ALA Transactions will be 168 pages. For 200 copies the cost of printing and typesetting, if handled the same as last year, will be approximately \$4,001.00, with the per page costs being \$23.15, only a 3.4% increase over 1981. The total estimate for the 1982 Transactions (including binding, mailing, illustrations, telephone, secretarial/copyediting time and indexing) is \$7,075.00. Even with the additional 8 pages that we have estimated, the increase over last year is only 8.5%.

However, placing the discussions following each paper rather than in a separate section at the end of the scientific text means repasting, making new negatives, and burning new plates for printing. This alone would increase the cost of printing and typesetting to approximately \$5,295.00. Also, it would mean rearranging the order in which the papers are printed in the ANNALS; several papers were shifted slightly out of the sequence in which they were presented at the meeting so that the three pages of color illustrations would fall on certain pages within one 16-page signature and could be printed together, which means a substantial savings. If these pages are printed separately, it will cost an additional \$350 per page. Therefore, to place the discussions within the scientific text will require a major reorganization of pages already printed in the most economical manner, as well as the additional labor, for an additional cost of \$2,344.00, or a total estimated cost of \$9,219,00.

BUSINESS OFFICE 4949 FOREST PARK BLVD. ST. LOUIS, MISSOURI 63108 TEL (314) 367-4987 Gabriel F. Tucker, Jr., MD August 5, 1982 Page Two

We must know immediately whether we need to change our plans for printing the Transactions. Please contact me or Dr. McCabe as soon as you have made a decision.

Sincerely yours,

Kenneth A. Cooper, Jr.

Business Manager

KAC/mls

cc: Dr. Brian McCabe

# ANNALS OF OTOLOGY, RHINOLOGY & LARYNGOLOGY

Annals of Head & Neck Medicine & Surgery

OFFICE OF COEDITOR BEN H. SENTURIA, M.D. 4949 FOREST PARK BLVD. ST. LOUIS, MO 63108 (314) 367-4987

EDITOR BRIAN F. McCABE, M.D. IOWA CITY, IOWA

August 10, 1982

Gabriel F. Tucker, Jr., MD
Head, Department of Otolaryngology and
Communicative Disorders
Children's Memorial Hospital
2300 Children's Plaza
Chicago, Illinois 60614

Dear Dr. Tucker:

Thank you for all the work that went into putting the material together for the American Laryngological Association Transactions. It is in excellent shape, and as soon as we have resolved the following questions, it can be sent to the typesetter.

- 1) On page 2 of the Presidential Address, line 5, the word "organal" is used. This word does not appear in Webster; can you suggest a substitute?
- 2) A table is appended to Dr. Putney's discussion. Should we include it? If so, please explain what L/W stands for in the last column.

Lengdevell.

3) In Dr. Bluestone's discussion (page 10), the last sentence of the first paragraph doesn't make sense grammatically. Should it read, "I think that what Dr. Benjamin has called this "atypical croup" is frequently a congenital anomaly." ?

400.

- 4) In Dr. Dedo's discussion (page 13, last line), what is he referring to when he says "the sizes given above"?
- 5) In Dr. Birck's discussion (Pagel7) the second sentence seems to be missing some words or improperly punctuated. Can you clarify?
- 6) On page 32 Dr. Cohen mentions Dr. Bluestone in the first sentence (which we prefer to delete) as if he has spoken already; on page 33, Dr. Bluestone directs a question to Dr. Cohen (which, however, is not answered). Are these pages switched?

- 7) In the Secretary's report, paragraph 1, it is stated that three Emeritus members have died, whereas the following report lists four. Neither, however, includes Dr. Campbell, whose obituary follows; but he is mentioned as having resigned in the Secretary's report.
- 8) The photograph of Dr. Campbell will have to be retouched at an approximate cost of \$25.00 if it is to be usable. Shall we proceed with it, or omit it?

9) We are waiting to hear whether the Tardy paper will be available for publication. If not, perhaps we should use an abstract, since the paper is mentioned in the discussions. An abstract would have to be furnished as we do not have one in our file. Also, the title and authors of the presentation are given differently in the ALA program book and the manuscript. Which should be used?

Of course we also will need a decision about handling the discussions. I trust that you received the figures on that from Ken Cooper.

We look forward to having your response immediately so that we can move ahead with the Transactions.

fenlieras

Sincerely,

Sara Jenkins Managing Edit

SJ/mls

cc: Dr. Brian McCabe, Editor

EIGHTH DANIEL C. BAKER, JR., LECTURE

INTRODUCTION OF GEORGE REED, M.D.

Harold G. Tabb, M.D., President

It is my privilege to introduce the eighth annual Daniel C. Baker, Jr. Memorial Lecturer.

We are honored to have a member of our own society present the Baker Lecture today; a man who was a colleague of Dan Baker on the American Board of Otolaryngology, and many other societies.

Dr. George Reed is the past president of the American Board of Otolaryngology and is now executive secretary-treasurer. He is imminently qualified to speak on the subject of certification today, having served on the Board of the Academy of Otolaryngology as secretary for continuing education, and as a representative to the American Board of Medical Specialties.

He is a past chairman of the Department of Otolaryngology, and now Dean of the College of Medicine and Vice President of the Medical Center, State University of New York, Upstate Medical Center, Syracuse, New York.

It is an honor for me to present my good friend, Dr. George Reed who will deliver the Baker Lecture, entitled "Subcertification; A Dilemma for Otolaryngology - Head and Neck Surgery.

supposedly, more prestigious credentials.

We are facing an era of declining surgery available for teaching residents.

We are agonizing over subcertification.

We are seeing a change in Otolaryngology from an organal specialty to a multidisciplined regional specialty.

We are seeing more hospital regulations and government intrusion in our specialty with an overall decline in the image of medicine.

These problems are being addressed by Laryngological members along with others sitting on various boards and councils of our organizations. Progress is being made according to these recent developments.

Otolaryngologists from around the country have voted overwhelmingly to change our name to Otolaryngology - Head and Neck Surgery, to better represent the specialty.

The Academy and Council of Otolaryngology have merged into a strong educational and political body for our specialty with a governing board representing all the Otolaryngological societies.

The American Board of Otolaryngolgy has increased the period of training in our specialty from 4 to 5 years, and has broadened the scope of their examination.

The Board has also taken a strong position asserting its support of our members performing facial plastic surgery in the field of Otolaryngology.

JAMES W. MCLAURIN, M.D.
THOMAS P. RAGGIO, M.D.
MCHUGH SIMMONS, M.D.
3888 GOVERNMENT STREET

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OTOLARYNGOLOGY

I thank you for the privilege of being your Guest of Honor.

I do not have the words to tell you how much I appreciate it, but

I am humbly grateful and deeply touched.

What I have to say would probably best be said at a Teachers
Section of the Academy, but knowing that most of you are teachers,
I cannot resist the opportunity to tell you my observation of the
otolaryngologists who are completing their residencies and beginning practice. They are all excellent surgeons, and I am sure
most of them could cut your head off and put it back with good
results. Many of them, however, know very little about the practice
of medicine.

This is a very stressful world we live in, and they should know that stress causes many ear, nose, and throat complaints. Probably the most common is bruxism with tempromandibular joint symptoms and headache. They should also know that although Americans have access to more and better food than the people in most other countries, many of our patients are on an inadequate or improper diet. This faulty nutrition often results in electrolyte and blood chemistry changes which cause ear, nose, and throat complaints. Moreover, in spite of the popularity of walking, jogging, tennis playing, and other sports today, many older patients do not take

any exercise. Lack of exercise can result in a lack of oxygen to cells and tissue and can produce ear, nose and throat symptoms.

We can make a much longer list of conditions that do not require surgery, but my plea to you is to continue to teach residents to be great surgeons but to teach them also to treat the whole patient.

I thank you again for allowing me to be your Guest of Honor.

This recognition by my peers, I shall always cherish.

INTRODUCTION OF THE GUEST OF HONOR, JAMES W. McLAURIN, M.D.

Harold G. Tabb, M.D., President

My guest of honor for this meeting is James W. McLaurin, whom I have d admired for many years, and who has greatly influenced my academic n Otolaryngology.

Jim McLaurin grew up in Mississippi, attended Washington and Lee, and d from medicine at the University of Arkansas. He received his Otolaryngology at the University of Southern California, under Dr. J. McKenzie Brown. Upon on of his residency he entered private practice in Baton Rouge, Louisiana, eaching appointment at LSU Medical School.

In 1949 he was appointed Professor and Chairman of the Department of gology at Tulane University School of Medicine; a position he held for the years. The unusual thing about this appointment was that he ran the Department Baton Rouge, seventy miles away. He would arise at 4:00 a.m., and drive rleans in time to supervise the residents in surgery, administer the affairs epartment at the medical school and return to Baton Rouge in the afternoon his office practice. This was done three days a week for almost ten years.

During this time he developed a strong academic department at Tulane. ized the first speech and hearing center in the mid-south; training many of y Audiologists. He developed the first hearing conservation program in the His interests were primarily in Otology, but he made contributions to the re both in Laryngology and Otology. He has served on the council of the al Society and was chairman of the trustees of its research fund.

Jim is partially retired now, and has sufficient time to pursue his avid sport: bird hunting. He has hunted grouse in Scotland, the red partridge in Spain, and turkeys in south Alabama.

Jim is a shy, unassuming type person, who has shown unselfish devotion to teaching in Otolaryngology. He has made significant contributions in our specialty. He has given me continued support in my academic career, and I am happy to honor him today. He is just an all-around great guy and when you know him, you will like him. My guest of honor, James W. McLaurin.

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1949 Dr. Henry B. Orton
1962 Dr. Hans von Leden
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1977 Dr. F. Johnson Putney
1978 Dr. John F. Daly
1979 Dr. Charles F. Ferguson
1980 Dr. Charles M. Norris
1981 Dr. Stanton A. Friedberg

1982 Dr. William M. Trible

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# ROSTER OF FELLOWS 1981

Date indicates year admitted to active fellowship. Attendance at meetings is shown by figures following each name. Asterisk (\*) indicates year paper was read.

#### Active Fellows - 92

- 1974 Alford, Bobby R., 1200 Moursund Ave., Houston, TX 77025, 1974, '78, '80, '81.
- 1969 Andrews, Albert H. Jr., 122 S. Michigan Ave., Chicago, IL 60603, 1970-'74"-'81.
- 1969 Ausband, John R., Emory Univ., 1365 Clifton Rd., NE, Atlanta, GA 30322, 1970-73, '75, '78, '81.
- 1975 Bailey, Byron J., Dept. of Otol, UTMB, Galveston, TX 77550, 1975, '76\*, '77, '78, '81.
- 1970 Ballenger, John J., 723 Elm St., Winnetka, IL 60093, 1971-81.
- 1963 Baxter, James D., 687 Pine Ave. West, Montreal, P.Q. H3A 1A1, Canada 1963, '65\*-'74, '76-'80.
- 1975 Biller, Hugh F., Mt. Sinai Hosp., 100th St. & Fifth Ave., New York, NY 10029, 1975- '77\*, '78\*, '79\*, '80\*, '81\*.
- 1977 Blaugrund, Stanley M., 115 E. 61st St., New York, NY 10021, 1977-'81.
- 1975 Boles, Roger, Dept. of Otolaryngol., Univ. of California, San Francisco, CA 94122, 1975-'81.
- 1955 Bordley, John E., Johns Hopkins Hosp., Baltimore, MD 21205, 1955-'57, '59, '60, '62-'67, '69-'73\*-'80.
- 1959 Brewer, David W., 1100 E. Genesee St., Syracuse, NY 13210, 1959, '60\*, '61, '62\*, '63, '66, '70, '73, '74\*, '77, '80, '81.
- 1976 Briant, Thomas D. R., St. Michael's Hosp., 30 Bond Street, 4B Wing, Toronto, Ont. M5B 1W8, Canada, 1976, '77, '78, '80, '81.
- 1955 Brown, Lester A., 490 Peachtree St., NE, Atlanta, GA 30308, 1955-'59, '61, '63, '65, '68-'73\*-'80.
- 1963 Bryce, Douglas P., O.P.D. Toronto General Hosp., Toronto, Ont. M5T 1P7 Canada, 1963\*, '64, '66\*, '67\*,. '68\*-'76-'79\*, '81.
- 1979 Calcaterra, Thomas C., UCLA Med. Ctr., Los Angeles, CA 90224, 1979.
- 1976 Cantrell, Robert W., Univ. of Virginia Med. Ctr., Charlottesville, VA 22901, 1976, '77\*-'80\*, '81.
- 1968 Chandler, J. Ryan, 1700 NW 10th Ave., Miami, FL 33136, 1968, '69\*-'79\*-'81.
- 1967 Cocke, Edwin W., Jr., 920 Madison, Memphis, TN 38103, 1967-'70, '72, '74-'78, '80.
- 1964 Cody, Claude C. III, 7777 Southwest Freeway, Houston, TX 77074, 1964, '65, '67, '69, '71, '73, '77-'79, '81.
- 1971 Cohen, Seymour R., 1300 N. Vermont Ave., Los Angeles, CA 90027, 1971, '72°, '73°, '74, '75°, '76°, '77, '78°, '80°, '81°.
- 1957 Conley, John J., 211 Central Park West, New York, NY 10024, 1958\*, '60\*, '61, '62\*, '63\*, '64, '65. '70, '72, '74\*, '75\*-'78, '80.
- 1980 Cummings, Charles W., Dept. of Otolaryngol., Univ. of Washington, Seattle, WA 98195, 1980, '81.
- 1973 Dedo, Herbert H., Univ. of California, S.F. School of Med., Rm. 495U, San Francisco, CA 94122, 1973°, '74, '75°, '76°-'79°-'81.
- . 1966 Devine, Kenneth D., Mayo Clinic, Rochester, MN 55901 1968-'68, '72°, '74°, '76°.

- 1976 Doyle, Patrick J., 1081 Burrard, Vancouver, B.C.
   V621Y6, Canada, 1976, '77°, '80°, '81°.
  - 1973 Duvall, Arndt J. III, Univ. of Minnesota Hosp., A-605 Mayo Memorial Bldg., Minneapolis, MN 55455, 1973\*, '75-'78, '80, '81.
  - 1968 Farrior, Richard T., 505 DeLeon, Tampa, FL 33608, 1968-70°, '72, '74, '76-'81.
  - 1964 Fearon, Blair, 308 Medical Arts Bldg., Toronto, Ont., M5R 2M7, Canada, 1964, '66-'71', '72', '73', '74'-'78'-'81'.
- 1982 Fee, Willard E., Jr., Stanford Medical Center, Stanford, CA 94305
  - 1970 Frazer, John P., 601 Elmwood Ave., Rochester, NY 14642, 1971-'81.
  - 1977 Fredrickson, John M., Med. Sciences Bldg., Rm. 7310, Univ. of Toronto, Toronto, Ont., M5T 1P7 Canada, 1977-'79\*.
  - 1956 Friedberg, Stanton A., 1725 West Harrison St., Chicago, IL 60612, 1956, '57\*-'65\*-'71\*-'76\*, '78\*, '79\*, '80...
  - 1977 Gacek, Richard R., State Univ. Hosp. of the Upstate Med. Ctr., 750 E. Adams St., Syracuse, NY 13210, 1977\*-'81.
  - 1981 Gates, George, 7703 Floyd Curl Dr., San Antonio, TX 78284, 1981.
  - 1959 Goldman, Joseph L., 55 E. 87th St., New York, NY 10028, 1959, '60"-'72"-'78"-'80.
  - 1974 Hudson, William R., Duke Univ. Med. Ctr., E.N.T., P.O.P., 3805, Durham, NC 27710, 1974-78\*. '81.
- 1965 King, James T., 3250 Howell Mill Rd., NW, Atlanta, GA 30327, 1965-'67, '69-'71, '73-'76, '80.
- 1975 Kirchner, Fernando R., 155 S. 18th St., Kansas City, KS 66102, 1975\*-77, 79.
- 1963 Kirchner, John A., 333 Cedar St., New Haven, CT 06510, 1963, '65\*, '67\*-'69\*-'71\*, '72\*-'75\*, '77, '78, '80\*.
- 1979 Krause, Charles J., Univ. Hosp., Ann Arbor, MI 48109, 1979-'81.
- 1981 Lawson, William, 19 E. 98th St., New York, NY 10029, 1981\*.
- 1979 LeJeune, Francis E., Jr., 1514 Jefferson Hwy., New Orleans, LA 70121, 1979-'81.
- 1966 Lewis, John S., 3 East 71st St., New York, NY 10021, 1966-'69\*-'72, '74-'76\*, '78-'81.
- 1961 Lewy, Robert B., 25 East Washington St., Chicago, IL 60602, 1961, '62°, '63, '65°, '67-'71, '73-'76°-'81.
- 1976 Lingeman, Raleigh E., 1100 W. Michigan St., Indianapolis, IN 46202, 1976, '77°-'81.
- 1973 Lore, John M., Jr., 2121 Main St., Buffalo, NY 14214, 1974\*, '76, '77\*, '78\*, '81.
- 1978 Lyons, George D., 120 N. Jefferson Davis Pkwy., New Orleans, LA 70119, 1978-'80.
- 1966 McCabe, Brian F., Dept. of Otolaryngol., Univ. Hosp., Iowa City, IA 52240, 1966, '69, '72°, '73, '75°, '76, '79°, '81°.

- 1976 Miglets. Andrew, 456 Clinic Dr., Rm. 4118, Columbus, OH 43210, 1976, '77, '78\*, '80.
- 1952 Miller, Alden H., 1407 N. Vermont Ave., Los Angeles, CA 90027, 1952, '53°, '55, '57, '58°, '61, '62, '64, '66, '67°-'73°, '74°, '76-'78°, '79, '81.
- 1965 Miller, Daniel, 110 Francis St., Boston, MA 02215, 1965-'69°-'73°-'77°-'81°.
- 1964 Montgomery, William W., 243 Charles St., Boston, MA 02114, 1964, '65\*, '66\*, '68\*, '70-'72, '74\*-'76\*-'78, '80\*, '81.
- 1972 Morse, Harry R., 645 Powell Dr., Fort Walton Beach, FL 32548, 1972, '75, '79-'81.
- 1979 Myers, Eugene N., Dept. of Otolaryngol., 230 Lathrop St., Pittsburgh, PA 15213, 1979, '80.
- 1975 Nahum, Alan M., 225 W. Dickinson, San Diego, CA 92103, 1975, '76, '79.
- 1981 Neel, H. Bryan III, 200 First St., S.W., Rochester, MN 55901, 1981.
- 1980 Nichols, Richard D., Henry Ford Hosp., 2799 W. Grand, Detroit, MI 48202, 1980, '81.
- 1956 Norris, Charles M., 3401 N. Broad St., Philadelphia, PA 19140, 1956-'58\*-'61\*'64, '66-'68\*-'70\*-'78\*-'81.
- 1961 Ogura, Joseph H., 517 S. Euclid Ave., St. Louis, MO 63110, 1961\*, '62\*-'64\*-'66\*-'71\*-'73\*, '74\*, '75\*, '76\*-'78\*-'81.
- 1958 O'Keefe, John J., 130 S. Ninth St., Philadelphia, PA 19107, 1958-'59\*, '60, '62, '64, '67, '71, '73-'75, '78, '80.
- 1982 Olson, Nels R., St. Joseph Mercy Hospital, P.O.Box 944
  - Ann Arbor, Michigan 48106
    1961 Pang, Lup Q., 1374 Nuuanu Ave., Honolulu, HI 96817, 1961, '62\*, '64, '66, '67, '69, '71-'73, '75, '77, '79-'81.
  - 1961 Pastore, Peter N., 5503 Riverside Dr., Richmond, VA 23225, 1961, '62\*, '64, '66, '67, '69-'76, '78, '80.
  - 1972 Pennington, Claude L., Jr., 800 First St., Macon, GA 31201, 1972, '73, '75, '76\*, '78.
  - 1967 Pratt. Loring W., 325-B Kennedy Memorial Dr., Waterville, ME 04901, 1967-'81.
  - 1963 Reed, George F., 750 E. Adams St., Syracuse, NY 13210, 1963, '65\*, '66, '68, '69\*-'73, '75-81.
  - 1974 Ritter, Frank N., 2675 Englave Dr., Ann Arbor, MI 48103, 1974, '75, '77-'79, '81.
- 1982 Rontal, Eugene, 3774 Wabeek Lake Drive, West, Bloomfield Hills, Michigan 48013
  - 1981 Sasaki, Clarence T., 333 Cedar St., New Haven, CT 06510, 1981.
  - 1964 Saunders, William H., Ohio State Univ., Rm. 3110, 456 Clinic Dr., Columbus, OH 43210, 1964-'66, '68\*-'70\*, '71-'75\*-'80.
  - 1978 Sessions, Donald G., 1960 Grassy Ridge Rd., Kirkwood, MO 63122, 1979\*, '80\*, '81.
  - 1979 Shapiro, Myron J., 349 E. Northfield Rd., Livingston, NJ 07039, 1979-'81.
  - Sisson, George A., Northwestern U. Medical School, 303
     E. Chicago Ave., Chicago, IL 60611, 1962, '63°, '65, '66, '68-'73, '76-'81.
  - 1964 Skolnik, Emanuel M., 1855 W. Taylor St., Abraham Lincoln School of Medicine. Chicago, IL 60612, 1964\*, '65, '66\*-'70\*-'73, '75\*-'80\*, '81.
  - 1974 Snow, James B., Jr., 3400 Spruce St., Philadelphia, PA 19104, 1974-'75\*-'77, '78\*, '79, '81.
  - 1972 Soboroff, Burton J., 307 N. Michigan Ave., Chicago, IL 60601, 1972-'77, '79, '80.

- 1973 Som, Max L., 121 E. 60th St., New York, NY 10022, 1973, '74\*, '75\*, '76-'78\*, '79\*, '80.
- 1954 Sooy, Francis A., Univ. of California Hosp., 3rd & Parnassus Ave., San Francisco, CA 94122, 1954, '56\*, '58, '60, '62-'65\*, '67, 68\*, '71, '78, '79, '81.
- 1979 Spector, Gershon J., Dept. of Otolaryngol., 517 S. Euclid, St. Louis, MO 63110, 1979-'81.
- 1975 Sprinkle, Philip M., West Virginia Univ. Med. Ctr., Morgantown, WV 26505, 1975-'78'-'81.
- 1975 Strong, M. Stuart, 720 Harrison Ave., Boston, MA 02118, 1975, '76°, '77, '78°, '79°, '81.
- 1963 Tabb, Harold G., Dept. of Otolaryngol., Tulane Medical School, New Orleans, LA 70112, 1963, '65-'69, '71, '72, '74, '77-'81.
- 1979 Tardy, M. Eugene, 2913 N. Commonwealth, No. 430, Chicago, IL 60657, 1979.
- 1982 Thawley, Stanley E., 517 S. Euclid, St. Louis, Missouri 6311
- 1954 Thornell, William C., 2328 Auburn Ave., Cincinnati 45219, 1955\*, '57, '59-'63, '68, '70, '72, '74, '77, '78, '80.
- 1978 TOOMEY, James M.,550 N. Main St.,12, Attleboro, MA 02703,1979\*,80,81
- 1967 Trible, William M., 1234 19th St., NW, Washington, DC 20036, 1967-'69\*, '71-'81.
- 1970 Tucker, Gabriel F., Jr., The Children's Memorial Hosp., 2300 Children's Plaza, Chicago, IL 60614, 1970°-'73°-'74°-'75°-'778°-'81.
- 1979 Tucker, Harvey M., Dept. of Otolaryngol., Cleveland Clinic, Cleveland, OH 44106, 1979, '80\*, '81.
- 1973 Tucker, John A., Hahnemann Hosp., 230 N. Broad St., Philadelphia, PA 19102, 1973\*, '74\*, '75\*, '76, '77\*, '78\*, '80-'81.
- 1980 Vrabec, Donald P., Dept. of Otolaryngol., Geisinger Med. Ctr., Danville, PA 17821, 1980, '81\*.
- 1974 Ward, Paul H., UCLA School of Medicine, Los Angeles, CA 90024, 1974\*-'76, '77\*, '78\*, '79\*, '81\*.
- 1971 Williams, Russell I., 414 E. 23rd St., Cheyenne, WY 82001, 1971, '72\*-74, '76-'78\*, '80.
- 1951 Woodman, DeGraaf, P. O. Box 560, Easton, MD 21601, 1951, '53-55\*-'56, '58-'76\*-'80.
- 1981 Yanagisawa, Eiji, 98 York St., New Haven, CT 06511, 1981.

#### Honorary Fellows — 7

- 1978 (1959) Barretto, Plinio de Mattos, Rua Cons Torres, Homen 371, Sao Paulo, Brazil, 1960, '69, '73, '80.
- 1957 (1925) Clerf, Louis H., 5575 Eighth Ave., North, St. Petersburg, FL 33710, 1957-'61, '63-'66, '68-'72\*-'78\*.
- 1978 (1971) Harrison, D. F. N., 330/332 Gray's Inn Road, London, W.C.I., England, 1971, '77, '81\*.
- 1966 (1957) Ono, Jo, 6-13, 6-Chome, Roppongi, Minato-Ku, Tokyo, Japan, 1971.
- 1968 (1937) Portmann, Prof. Dr. Georges, Clinique S, Augustin, 114, Avenue d'Ares, Bordeaux, France, 1947.
- 1968 (1957) Ruedi, Prof. Dr. Luzius, Kurhausstrasse 50, Zurich, Switzerland, 1957.
- 1962 (1932) Schall, LeRoy, A., P. O. Box 136, Barnstable, MA 02630, 1964, '66, '68-'69, '72-'77.

## Corresponding Fellows — 14

- 1978 Arauz, Juan Carlos, 2150 Cangallo, Buenos Aires, Argentina, 1040, 1980.
- Arslan, Prof. Michele, Otorinolaringoiatrica dell' Univer-1972 sita da Padova, 37 Via Altinate. Padova, Italy, 1972.
- 1959 BATEMAN, Sir Godffrey H., Thorney-Graffham, Petworth West Sussex, England
- Benjamin, Bruce, 229 Macquaric St., Sydney, N.S.W. 20000 Australia, 1980, '81.
- CLEVES, Carlos, 12, 20-69 Bogota 1964 Columbia. 1970
- DOHLMAN, Gosta, 304 Cresdent Dr., E 1966 Bradenton, FL 22505, 1966
- Halliday, Sir George C., 143 Macquarie St., Sydney, N.S.W. Australia.
- 1970 Hutcheon, Jack, Morris Towers, 149 Wickham Terrace, Brisbane, Australia, 1971, '78, '80.
- 1978 Kleinsasser, Oskar, Deutschhausstrabe 3, 355 Marburg (Lahn), Cologne, West Germany.
- 1971 Macbeth, Ronald G., Meadow Close Church Hanborough Oxford, England.
- Nakamura, Fumio, Kyoto Prefectural U. Medicine, 1968 Kawara-Mach I, Kamikyo-Ku, Kyoto, Japan.
- Perez, Alfredo C., Instituto Celis Perez, Avenida Montes 1964 Deoca, Valencia, Venezuela, 1965.
- 1952 Tapia-Acuña, Ricardo, Av. Insurgentes, Sur No. 300, Mexico 7 D.F., 1953, '57, '60\*, '67, '73, '75, '81\*.
- 1936 Vialle, Jacques, 27 Rue de France, Nice (Alpes Maritimes), France.

#### Emeritus Fellows — 41

- 1980 (1962) Arnold, Godfrey E., 2500 N. State St., Jackson, MS 39216, 1962, '63\*, '64\*, '66, '69, '70, '72, "73, '75, 77, 79.
- 1973 (1944) Boies, Lawrence R., Dept. of Otolaryngol., A-605, Mayo Memorial Bldg., Minneapolis, MN 55455, 1944, '46-'48\*-'50-51\*, '53-'68\*-'69, '71.
- 1966 (1945) Campbell, Paul A., 700 E. Hildebrand, Apt. 401, San Antonio, TX 78212.
- Canfield, Norton, 59 Whitfield St., Guilford, CT 1965 (1942)
- 1978 (1959) Cracovaner, Arthur J., 170 W. End Ave., New York, NY 10023, 1959-'61\*-'63, '65-'69, '72, '74-'76, 78-79.
- 1982)1960 1DALY, John F., 16 N. Brae Ct., Tenafly, NJ 07670,1960,61\*,79\*,81.
  - 1977 (1951) DAVISON, Francis W., Geisinger Med. Ctr, Danville, PA 17821,1951-53\*,63. 67.\*.69\*.73\*.75.77.78\*.79.
  - 1980 (1968) DeWeese, David D., 3181 SW Sam Jackson Park Rd., Portland, OR 97202, 1968-'69\*, '73-'30.
  - 1972 (1962) Erich, John B., Mayo Clinic, 102 Second Ave., Rochester, MN 55901.
- Ferguson, Charles F., P. O. Box 313, Osterville, MA 02655, 1963, '64\*, '66, '67\*, '68, '69\*-74\*-78\*-'81. (1982)1963
  - 1979 (1955) FITZ-HUGH, Glassel S., 145 Blue Ridge
  - 57.59.62\*.64-67\*.68-77.78

    1970 (1940) Goodale, Robert L., 141 Argilla Rd., Ispwich, MA 01938, 1971, '74-'76.
  - 1963 (1928) Goodyear, Henry M., 2012 Edgecliff Point, Cincinnati, OH 45206.
  - 1980 (1965) Hanckel, Richard W., Jr., 9 Valley Forge Dr., Nashville, TN 37205, 1965-'67, '69-'74, '77-'80.

- 1978 (1960) Harris, Herbert H., 3457 Meadow Lake Lanc, Houston, TX 77027, 1960, '61°-'65°-'75, '77-'79,
- 1968 (1942) HEATLEY, Clyde A., 2500 East Ave. Rochester, NY 14610,1942,46\*,49,50 52-53\*-55.57.58,60,61,65
- 1978 (1959) Henry, G. Arnold, Suite #2, Group Box 24, Lagoon City, RR #1, Brechin, Ont., LOK1BO, Canada, 1959, '61, '63, '66, '67, '69, '70, '73.
- 1980 (1955) HILGER, Jerome A., 393 Dunlap St. Suite 6A, St. Paul, MN 55104,1955-56\*.60.62-66.68-71.75-78.80
- 1977 (1957) Holmes, Edgar M., Graydale Circle, Auburndale, MA 02166, 1957, '59, '61, '63, '68, '70-'72, '74-'76,
- Kline, Oram R., 896 Lake Avc., Woodbury Heights, NJ 08097, 1961, '63, '70, '72, '74. 1961 (1950)
- 1977 (1963) Lathrop, Frank D., R.D.1, Pittsford, VT 05763, 1963, '64\*, '67\*, '69-'78, '80-'81.
- 1964 (1952) McCall, Julius W., 22880 Canterbury Lane, Shaker Heights, OH 44122, 1964, '66, '68-'73, '75-'78.
- 1980 (1963) McGovern, Francis H., 139 S. Main St., Danville, VA 24541, 1963, '64, '66, '68, '71, '72, '74, '75, '77, 79, '81.
- 1974 (1951) McHenry, Lawrence C., 1607 Glenbrook Terrace, Oklahoma City, OK 73116, 1953\*, '62-'66, '68, '71.
- 1970 (1931) McNally, William J., 25 Redpath Pl. Montreal, Canada H3G-1E2,1972-'75
- 1978 (1957) Munoz-MacCormick, Carlos Eduardo, 71 de Diego, Santurce, PR 00911, 1957-'80.
- 1971 (1953) Murtagh, John A., 1198 A1A Apt. 240, Hillsboro Beach, Pompano, FL 33062, 1953-'56\*, '57-'61, '62-'63, '65-'67, 69, '70, '72, '74, '76, '78-'80,
- O'KEEFE, John J.,111 S.11th St. 1981 (1958) Philadelphia, PA 19107,1958-59\*, 60.62.64.67.71.73.74.75.78.80
- 1976 (1951) Priest, Robert E., 322 Medical Arts Bldg., Minneapolis, MN 55402, 1977-'81.
- 1980 (1951) Putney, F. Johnson, 80 Barre St., Charleston, SC 29401, 1951-'53\*-'58\*-'63\*-64\*-'68\*-'69\*-'70\*-'72, '74-'78\*, '79\*.
- 1972 (1956) Richardson, John R., P.O. Box 52, Searsport, ME 04974.
- Sanders, Sam H., 1286 Peabody Ave., Memphis, 1981 (1959) TN 38104, 1959-'63, '65, '70-'73, '75, '78.
- 1977 (1958) Simonton, Kinsey M., % Foster, Duxbury, MA 02332, 1958, '59\*, '62, '64, '66, '67, '69, '72, '74, 75, 78
- Smith, Austin T., 235 Landaster Ave 1959 (1950)
- Devon, PA 19333,1970-'74 SUEHS, Oliver W.,2805 Robbs Run Austin, TX 78703,1961-64,66,68-72; 1982 (1961)
- 74-78 Tolan, John F., 3419 47th Ave., NE, Seattle, WA 1973 (1963) 98105, 1963-'67, '69, '71, '73.
- 1961 (1941) Viole, Pierre P., 241 South Windsor, Los Angeles, CA 90004, 1964.
- 1977 (1962) WEAVER, Delmar F., Med Professional Bldg., PO 862, Culpeper, VA 22701, 1962-64\*, 65, 67\*, 69-70\*, 72, 74, 76
- Rd., Charlottesville, VA 22903, 1955, 1975 (1953) Work, Walter P., 172 E. Paseo de Golf, Green Valley, AZ 85614, 1953, '54, '56, '58, '59\*, '62, '63\*, '65, '67-'69, '72, '73, '75, '76, '78\*, '79\*.

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- 1978 Arauz. Juan Carlos, 2150 Cangallo, Buenos Aires, Argentina, 1040, 1980.
- 1972 Arslan, Prof. Michele, Otorinolaringoiatrica dell' Universita da Padova, 37 Via Altinate, Padova, Italy, 1972.
- 1959 BATEMAN, Sir Godffrey H., Thorney-Graffham, Petworth West Sussex, England
- Benjamin, Bruce, 229 Macquaric St., Sydney, N.S.W. 20000 Australia, 1980, '81.
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- DOHLMAN, Gosta, 304 Cresdent Dr., E 1966 Bradenton, FL 22505, 1966
- Halliday, Sir George C., 143 Macquarie St., Sydney, 1970 N.S.W. Australia.
- Hutcheon, Jack, Morris Towers, 149 Wickham Terrace, 1970 Brisbane, Australia, 1971, '78, '80.
- 1978 Kleinsasser, Oskar, Deutschhausstrabe 3, 355 Marburg (Lahn), Cologne, West Germany.
- 1971 Macbeth, Ronald G., Meadow Close Church Hanborough Oxford, England.
- Nakamura, Fumio, Kyoto Prefectural U. Medicine, Kawara-Mach 1, Kamikyo-Ku, Kyoto, Japan.
- 1964 Perez, Alfredo C., Instituto Celis Perez, Avenida Montes Deoca, Valencia, Venezuela, 1965.
- Tapia-Acuña, Ricardo, Av. Insurgentes, Sur No. 300, 1952 Mexico 7 D.F., 1953, '57, '60\*, '67, '73, '75, '81\*.
- Vialle, Jacques, 27 Rue de France, Nice (Alpes Maritimes), France.

#### Emeritus Fellows - 41

- 1980 (1962) Arnold, Godfrey E., 2500 N. State St., Jackson, MS 39216, 1962, '63\*, '64\*, '66, '69, '70, '72, "73, '75, 77, 79.
- 1973 (1944) Boies, Lawrence R., Dept. of Otolaryngol., A-605, Mayo Memorial Bldg., Minneapolis, MN 55455, 1944, '46-'48'-'50-51', '53-'68'-'69, '71.
- 1966 (1945) Campbell, Paul A., 700 E. Hildebrand, Apt. 401, San Antonio, TX 78212.
- 1965 (1942) Canfield, Norton, 59 Whitfield St., Guilford, CT 06437.
- 1978 (1959) Cracovaner, Arthur J., 170 W. End Ave., New York, NY 10023, 1959-'61\*-'63, '65-'69, '72, '74-'76, 78-79.
- 1982)1960 1DALY, John F., 16 N. Brae Ct., iTenafly, NJ 07670,1960,61\*,79\*,81.
  - 1977 (1951) DAVISON, Francis W., Geisinger Med. Ctr, Danville, PA 17821, 1951-53\*, 63: 67.\*.69\*.73\*.75.77.78\*.79.
  - 1980 (1968) DeWeese, David D., 3181 3W Sam Jackson Park Rd., Portland, OR 97202, 1968-'69°, '73-'80.
  - 1972 (1962) Erich, John B., Mayo Clinic, 102 Second Ave., Rochester, MN 55901.
- Ferguson, Charles F., P. O. Box 313, Osterville, MA (1982)1963 02655, 1963, '64\*, '66, '67\*, '68, '69\*-74\*-78\*-'81.
  - 1979 (1955) FITZ-HUGH, Glassel S., 145 Blue Ridge Rd., Charlottesville, VA 22903, 1955, 1975 (1953)
  - 57.59.62\*.64-67\*.68-77.78
    1970 (1940) Goodale, Robert L., 141 Argilla Rd., Ispwich, MA 01938, 1971, '74-'76.
  - 1963 (1928) Goodyear, Henry M., 2012 Edgecliff Point, Cincinnati, OH 45206.
  - 1980 (1965) Hanckel, Richard W., Jr., 9 Valley Forge Dr., Nashville, TN 37205, 1065-'67, '69-'74, '77-'80.

- 1978 (1960) Harris, Herbert H., 3457 Meadow Lake Lane, Houston, TX 77027, 1960, '61\*-'65\*-'75, '77-'79,
- 1968 (1942) HEATLEY, Clyde A., 2500 East Ave. Rochester, NY 14610,1942,46\*,49,50 52-53\*-55.57.58.60.61.65
- 1978 (1959) Henry, G. Arnold, Suite #2, Group Box 24, Lagoon City, RR #1, Brechin, Ont., L0K1B0, Canada, 1959, '61, '63, '66, '67, '69, '70, '73.
- 1980 (1955) HILGER, Jerome A., 393 Dunlap St. Suite 6A, St. Paul, MN 55104, 1955-56\*.60.62-66.68-71,75-78,80
- Holmes, Edgar M., Graydale Circle, Auburndale, 1977 (1957) MA 02166, 1957, '59, '61, '63, '68, '70-'72, '74-'76, '80.
- 1961 (1950) Kline, Oram R., 896 Lake Avc., Woodbury Heights, NJ 08097, 1961, '63, '70, '72, '74.
- 1977 (1963) Lathrop, Frank D., R.D.1, Pittsford, VT 05763, 1963, '64\*, '67\*, '69-'78, '80-'81.
- 1964 (1952) McCall, Julius W., 22880 Canterbury Lane, Shaker Heights, OH 44122, 1964, '66, '68-'73, '75-'78.
- 1980 (1963) McGovern, Francis H., 139 S. Main St., Danville, VA 24541, 1963, '64, '66, '68, '71, '72, '74, '75, '77, 79, '81.
- 1974 (1951) McHenry, Lawrence C., 1607 Glenbrook Terrace, Oklahoma City, OK 73116, 1953\*, '62-'66, '68, '71.
- 1970 (1931) McNally, William J., 25 Redpath Pl. Montreal, Canada H3G-1E2,1972-'75
- 1978 (1957) Munoz-MacCormick, Carlos Eduardo, 71 de Diego, Santurce, PR 00911, 1957-'80.
- 1971 (1953) Murtagh, John A., 1198 A1A Apt. 240, Hillsboro Beach, Pompano, FL 33062, 1953-'56°, '57-'61, '62-'63, '65-'67, 69, '70, '72, '74, '76, '78-'80,
- O'KEEFE, John J.,111 S.11th St. 1981 (1958) Philadelphia, PA 19107,1958-59\*, 60.62.64.67.71.73.74.75.78.80
- 1976 (1951) Priest, Robert E., 322 Medical Arts Bldg., Minneapolis, MN 55402, 1977-'81.
- 1980 (1951) Putney, F. Johnson, 80 Barre St., Charleston, SC 29401, 1951-'53\*-'58\*-'63\*-64\*-'68\*-'69\*-'70\*-'72, "74-'78\*, '79\*.
- 1972 (1956) Richardson, John R., P.O. Box 52, Searsport, ME 04974.
- Sanders, Sam H., 1286 Peabody Ave., Memphis, 1981 (1959) TN 38104, 1959-'63, '65, '70-'73, '75, '78.
- Simonton, Kinsey M., % Foster, Duxbury, MA 02332, 1958, '59\*, '62, '64, '66, '67, '69, '72, '74, 1977 (1958) 75, 78.
- Smith, Austin T., 235 Landaster Ave 1939 (1950) Devon, PA 19333,1970-'74 SUEHS, Oliver W.,2805 Robbs Run Austin, TX 78703,1961-64,66,68-72;
- 1982 (1961)
- 74-78 Tolan, John F., 3419 47th Ave., NE, Seattle, WA 1973 (1963) 98105, 1963-'67, '69, '71, '73.
- 1961 (1941) Viole, Pierre P., 241 South Windsor, Los Angeles, CA 90004, 1964.
- 1977 (1962) WEAVER, Delmar F., Med Professional Bldg., PO 862, Culpeper, VA 22701, 1962-64\*, 65, 67\*, 69-70\*, 72, 74, 76
- Work, Walter P., 172 E. Pasco de Golf, Green Valley, AZ 85614, 1953, '54, '56, '58, '59\*, '62, '63\*, '65, '67-'69, '72, '73, '75, '76, '78\*, '79\*.

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Date indicates year admitted to active fellowship. Attendance at meetings is shown by figures following each name. Asterisk (\*) indicates year paper was read.

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#### Active Fellows - 92

- 1974 Alford, Bobby R., 1200 Moursund Ave., Houston, TX 77025, 1974, '78, '80, '81.
- 1969 Andrews, Albert H. Jr., 122 S. Michigan Ave., Chicago, IL 60603, 1970-'74\*-'81.
- 1969 Ausband, John R., Emory Univ., 1365 Clifton Rd., NE, Atlanta, GA 30322, 1970-73, '75, '78, '81.
- 1975 Bailey, Byron J., Dept. of Otol, UTMB, Galveston, TX 77550, 1975, '76\*, '77, '78, '81.
- 1970 Ballenger, John J., 723 Elm St., Winnetka, IL 60093, 1971-'81.
- 1963 Baxter, James D., 687 Pine Ave. West, Montreal, P.Q. H3A 1A1, Canada 1963, '65\*-'74, '76-'80.
- 1975 Biller, Hugh F., Mt. Sinai Hosp., 100th St. & Fifth Ave., New York, NY 10029, 1975- '77\*, '78\*, '79\*, '80\*, '81\*.
- 1977 Blaugrund, Stanley M., 115 E. 61st St., New York, NY 10021, 1977-'81.
- 1975 Boles, Roger, Dept. of Otolaryngol., Univ. of California, San Francisco, CA 94122, 1975-81.
- 1955 Bordley, John E., Johns Hopkins Hosp., Baltimore, MD 21205, 1955-'57, '59, '60, '62-'67, '69-'73\*-'80.
- 1959 Brewer, David W., 1100 E. Genesee St., Syracuse, NY 13210, 1959, '60\*, '61, '62\*, '63, '66, '70, '73, '74\*, '77, '80, '81
- 1976 Briant, Thomas D. R., St. Michael's Hosp., 30 Bond Street, 4B Wing, Toronto, Ont. M5B 1W8, Canada, 1976, "77, '78, '80, '81.
- 1955 Brown, Lester A., 490 Peachtree St., NE, Atlanta, GA 30308, 1955-'59, '61, '63, '65, '68-'73\*-'80.
- 1963 Bryce, Douglas P., O.P.D. Toronto General Hosp., Toronto, Ont. M5T 1P7 Canada, 1963\*, '64, '66\*, '67\*, '68\*-'76-'79\*, '81.
- 1979 Calcaterra, Thomas C., UCLA Med. Ctr., Los Angeles, CA 90224, 1979.
- 1976 Cantrell, Robert W., Univ. of Virginia Med. Ctr., Charlottesville, VA 22901, 1976, '77°-'80°, '81.
- 1968 Chandler, J. Ryan, 1700 NW 10th Ave., Miami, FL 33136, 1968, '69\*-'79\*-'81.
- 1967 Cocke, Edwin W., Jr., 920 Madison, Memphis, TN 38103, 1967-'70, '72, '74-'78, '80.
- 1964 Cody, Claude C. III, 7777 Southwest Freeway, Houston, TX 77074, 1964, '65, '67, '69, '71, '73, '77-'79, '81.
- 1971 Cohen, Seymour R., 1300 N. Vermont Ave., Los Angeles, CA 90027, 1971, '72°, '73°, '74, '75°, '76°, '77, '78°, '80°, '81°.
- 1957 Conley, John J., 211 Central Park West, New York, NY 10024, 1958\*, '60\*, '61, '62\*, '63\*, '64, '65, '70, '72, '74\*, '75\*-'78, '80.
- 1980 Cummings, Charles W., Dept. of Otolaryngol., Univ. of Washington, Seattle, WA 98195, 1980, '81.
- 1973 Dedo, Herbert H., Univ. of California, S.F. School of Med., Rm. 495U, San Francisco, CA 94122, 1973°, '74. '75°, '76°-'79°-'81.
- . 1966 Devine, Kenneth D., Mayo Clinic, Rochester, MN 5590) 1966-'68, '72°, '74°, '76°.

- 1976 Doyle, Patrick J., 1081 Burrard, Vancouver, B.C. V621Y6, Canada, 1976, '77°, '80°, '81°.
  - 1973 Duvall, Arndt J. III, Univ. of Minnesota Hosp., A-605 Mayo Memorial Bldg., Minneapolis, MN 55455, 1973\*, '75-'78, '80, '81.
  - 1968 Farrior, Richard T., 505 DeLeon, Tampa, FL 33608, 1968-70\*, '72, '74, '76-'81.
  - 1964 Fearon, Blair, 308 Medical Arts Bldg., Toronto, Ont., M5R 2M7, Canada, 1964, '66-'71', '72", '73", '74"-'78"-'81".
- 1982 Fee, Willard E., Jr., Stanford Medical Center, Stanford, CA 94305
- 1970 Frazer, John P., 601 Elmwood Ave., Rochester, NY 14642, 1971-'81.
- 1977 Fredrickson, John M., Med. Sciences Bldg., Rm. 7310, Univ. of Toronto, Toronto, Ont., M5T 1P7 Canada, 1977-79\*.
- 1956 Friedberg, Stanton A., 1725 West Harrison St., Chicago, IL 60612, 1956, '57\*-'65\*-'71\*-'76\*, '78\*, '79\*, '80...
- 1977 Gacek, Richard R., State Univ. Hosp. of the Upstate Med. Ctr., 750 E. Adams St., Syracuse, NY 13210, 1977\*-'81.
- 1981 Gates, George, 7703 Floyd Curl Dr., San Antonio, TX 78284, 1981.
- 1959 Goldman, Joseph L., 55 E. 87th St., New York, NY 10028, 1959, '60\*-'72\*-'78\*-'80.
- 1974 Hudson, William R., Duke Univ. Med. Ctr., E.N.T., P.O.P., 3805, Durham, NC 27710, 1974-'78\*, '81.
- 1965 King, James T., 3250 Howell Mill Rd., NW, Atlanta, GA 30327, 1965-'67, '69-'71, '73-'76, '80.
- 1975 Kirchner, Fernando R., 155 S. 18th St., Kansas City, KS 66102, 1975\*-'77, '79.
- 1963 Kirchner, John A., 333 Cedar St., New Haven, CT 06510, 1963, '65\*, '67\*-'69\*-'71\*, '72\*-'75\*, '77, '78, '80\*.
- 1979 Krause, Charles J., Univ. Hosp., Ann Arbor, MI 48109, 1979-'81.
- 1981 Lawson, William, 19 E. 98th St., New York, NY 10029,
- 1979 LeJeune, Francis E., Jr., 1514 Jefferson Hwy., New Orleans, LA 70121, 1979-'81.
- 1966 Lewis, John S., 3 East 71st St., New York, NY 10021, 1966-'69°-'72, '74-'76°, '78-'81.
- 1961 Lewy, Robert B., 25 East Washington St., Chicago, IL 60602, 1961, '62\*, '63, '65\*, '67-'71, '73-'76\*-'81.
- 1976 Lingeman, Raleigh E., 1100 W. Michigan St., Indianapolis, IN 46202, 1976, '77°-'81.
- 1973 Lore, John M., Jr., 2121 Main St., Buffalo, NY 14214, 1974\*, '76, '77\*, '78\*, '81.
- 1978 Lyons, George D., 120 N. Jefferson Davis Pkwy., New Orleans, LA 70119, 1978-'80.
- 1966 McCabe, Brian F., Dept. of Otolaryngol., Univ. Hosp., Iowa City, IA 52240, 1966, '69, '72°, '73, '75°, '76, '79°, '81°.

- 1976 Miglets, Andrew, 456 Clinic Dr., Rm. 4118, Columbus, OH 43210, 1976, '77, '78°, '80.
- 1952 Miller, Alden H., 1407 N. Vermont Ave., Los Angeles, CA 90027, 1952, '53°, '55, '57, '58°, '61, '62, '64, '66, '67°-'73°, '74°, '76-'78°, '79, '81.
- 1965 Miller, Daniel, 110 Francis St., Boston, MA 02215, 1965-'69\*-'73\*-'77\*-'81\*.
- 1964 Montgomery, William W., 243 Charles St., Boston, MA 02114, 1964, '65°, '66°, '68°, '70-'72, '74°-'76°-'78, '80°, '81.
- 1972 Morse, Harry R., 645 Powell Dr., Fort Walton Beach, FL 32548, 1972, '75, '79-'81.
- 1979 Myers, Eugene N., Dept. of Otolaryngol., 230 Lathrop St., Pittsburgh, PA 15213, 1979, '80.
- 1975 Nahum, Alan M., 225 W. Dickinson, San Diego, CA 92103, 1975, '76, '79.
- 1981 Neel, H. Bryan III, 200 First St., S.W., Rochester, MN 55901, 1981.
- 1980 Nichols, Richard D., Henry Ford Hosp., 2799 W. Grand, Detroit, MI 48202, 1980, '81.
- 1956 Norris, Charles M., 3401 N. Broad St., Philadelphia, PA 19140, 1956-'58\*-'61\*-'64, '66-'68\*-'70\*-'78\*-'81.
- 1961 Ogura, Joseph H., 517 S. Euclid Ave., St. Louis, MO 63110, 1961\*, '62\*-'64\*-'66\*-'71\*-'73\*, '74\*, '75\*, '76\*-'78\*-'81.
- 1958 O'Keefe, John J., 130 S. Ninth St., Philadelphia, PA 19107, 1958-'59\*, '60, '62, '64, '67, '71, '73-'75, '78, '80.
- 1982 Olson, Nels R., St. Joseph Mercy Hospital, P.O.Box 944 Ann Arbor. Michigan 48106
  - 1961 Pang, Lup Q., 1374 Nuuanu Aye., Honolulu, HI 96817, 1961, '62\*, '64, '66, '67, '69, '71-'73, '75, '77, '79-'81.
  - 1961 Pastore, Peter N., 5503 Riverside Dr., Richmond, VA 23225, 1961, '62\*, '64, '66, '67, '69-'76, '78, '80.
  - 1972 Pennington, Claude L., Jr., 800 First St., Macon, GA 31201, 1972, '73, '75, '76°, '78.
  - 1967 Pratt, Loring W., 325-B Kennedy Memorial Dr., Waterville, ME 04901, 1967-'81.
  - 1963 Reed, George F., 750 E. Adams St., Syracuse, NY 13210, 1963, '65\*, '66, '68, '69\*-'73, '75-81.
  - 1974 Ritter, Frank N., 2675 Englave Dr., Ann Arbor, MI 48103, 1974, '75, '77-'79, '81.
- 1982 Rontal, Eugene, 3774 Wabeek Lake Drive, West, Bloomfield Hills, Michigan 48013
  - 1981 Sasaki, Clarence T., 333 Cedar St., New Haven, CT 06510, 1981.
  - 1964 Saunders, William H., Ohio State Univ., Rm. 3110, 456 Clinic Dr., Columbus, OH 43210, 1964-'66, '68°-'70°, '71-'75°-'80.
  - 1978 Sessions, Donald G., 1960 Grassy Ridge Rd., Kirkwood, MO 63122, 1979\*, '80\*, '81.
  - 1979 Shapiro, Myron J., 349 E. Northfield Rd., Livingston, NJ 07039, 1979-'81.
  - 1962 Sisson, George A., Northwestern U. Medical School, 303 E. Chicago Ave., Chicago, IL 60611, 1962, '63\*, '65, '66, '68-'73, '76-'81.
  - 1964 Skolnik, Emanuel M., 1855 W. Taylor St., Abraham Lincoln School of Medicine. Chicago, IL 60612, 1964\*, '65, '66\*-'70\*-'73, '75\*-'80\*, '81.
  - 1974 Snow, James B., Jr., 3400 Spruce St., Philadelphia, PA 19104, 1974-'75\*-'77, '78\*, '79, '81.
  - 1972 Soboroff, Burton J., 307 N. Michigan Ave., Chicago, IL 60601, 1972-77, 79, '80.

- 1973 Som, Max L., 121 E. 60th St., New York, NY 10022, 1973, '74°, '75°, '76-'78°, '79°, '80.
- 1954 Sooy, Francis A., Univ. of California Hosp., 3rd & Parnassus Ave., San Francisco, CA 94122, 1954, '56\*, '58, '60, '62-'65\*, '67, 68\*, '71, '78, '79, '81.
- 1979 Spector, Gershon J., Dept. of Otolaryngol., 517 S. Euclid, St. Louis, MO 63110, 1979-'81.
- 1975 Sprinkle, Philip M., West Virginia Univ. Med. Ctr., Morgantown, WV 26505, 1975-'78°-'81.
- 1975 Strong, M. Stuart, 720 Harrison Ave., Boston, MA 02118, 1975, "76", '77, '78", '79", '81.
- 1963 Tabb, Harold G., Dept. of Otolaryngol., Tulane Medical School, New Orleans, LA 70112, 1963, '65-'69, '71, '72, '74, '77-'81.
- 1979 Tardy, M. Eugene, 2913 N. Commonwealth, No. 430, Chicago, IL 60657, 1979.
- 1982 Thawley, Stanley E., 517 S. Euclid, St. Louis, Missouri 6311
- 1954 Thornell, William C., 2328 Auburn Ave., Cincinnati, 45219, 1955\*, '57, '59-63, '68, '70, '72, '74, '77, '78, '80.
- 1978 TOOMEY, James M.,550 N. Main St.,12, Attleboro, MA 02703,1979\*,80,81
- 1967 Trible, William M., 1234 19th St., NW, Washington, DC 20036, 1967-'69\*, '71-'81.
- 1970 Tucker, Gabriel F., Jr., The Children's Memorial Hosp., 2300 Children's Plaza, Chicago, IL 60614, 1970\*-"73\*-"74\*-"75\*-"77\*-"78\*-"81.
- 1979 Tucker, Harvey M., Dept. of Otolaryngol., Cleveland Clinic, Cleveland, OH 44106, 1979, '80\*, '81.
- 1973 Tucker, John A., Hahnemann Hosp., 230 N. Broad St., Philadelphia, PA 19102, 1973\*, '74\*, '75\*, '76, '77\*, '78\*, '80-'81.
- 1980 Vrabec, Donald P., Dept. of Otolaryngol., Geisinger Med. Ctr., Danville, PA 17821, 1980, '81\*.
- 1974 Ward, Paul H., UCLA School of Medicine, Los Angeles, CA 90024, 1974\*-'76, '77\*, '78\*, '79\*, '81\*.
- 1971 Williams, Russell I., 414 E. 23rd St., Cheyenne, WY 82001, 1971, '72\*-74, '76-'78\*, '80.
- 1951 Woodman, DeGraaf, P. O. Box 560, Easton, MD 21601, 1951, '53-55\*-'56, '58-'76\*-'80.
- 1981 Yanagisawa, Eiji, 98 York St., New Haven, CT 06511, 1981.

#### Honorary Fellows - 7

- 1978 (1959) Barretto, Plinio de Mattos, Rua Cons Torres, Homen 371, Sao Paulo, Brazil, 1960, '69, '73, '80.
- 1957 (1925) Clerf, Louis H., 5575 Eighth Ave., North, St. Petersburg, FL 33710, 1957-'61, '63-'66, '68-'72\*-'78\*.
- 1978 (1971) Harrison, D. F. N., 330/332 Gray's Inn Road, London, W.C.I., England, 1971, '77, '81°.
- 1966 (1957) Ono, Jo, 6-13, 6-Chome, Roppongi, Minato-Ku, Tokyo, Japan, 1971.
- 1968 (1937) Portmann, Prof. Dr. Georges, Clinique S, Augustin, 114, Avenue d'Ares, Bordeaux, France, 1947.
- 1968 (1957) Ruedi, Prof. Dr. Luzius, Kurhausstrasse 50, Zurich, Switzerland, 1957.
- 1962 (1932) Schall, LeRoy, A., P. O. Box 136, Barnstable, MA 02630, 1964, '66, '68-'69, '72-'77.

# Corresponding Fellows — 14

- 1978 Arauz, Juan Carlos, 2150 Cangallo, Buenos Aires, Argentina. 1040, 1980.
- 1972 Arslan, Prof. Michele, Otorinolaringoiatrica dell' Universita da Padova, 37 Via Altinate. Padova, Italy, 1972.
- 1959 BATEMAN, Sir Godffrey H., Thorney-Graffham, Petworth West Sussex, England
- 1980 Benjamin, Bruce, 229 Macquaric St., Sydney, N.S.W. 20000 Australia, 1980, '81.
- 1964 CLEVES, Carlos, 12, 20-69 Bogota Columbia. 1970
- DOHLMAN, Gosta, 304 Cresdent Dr., E 1966 Bradenton, FL 22505, 1966
- 1970 Halliday, Sir George C., 143 Macquarie St., Sydney, N.S.W. Australia.
- Hutcheon, Jack, Morris Towers, 149 Wickham Terrace, 1970 Brisbane, Australia, 1971, '78, '80.
- 1978 Kleinsasser, Oskar, Deutschhausstrabe 3, 355 Marburg (Lahn), Cologne, West Germany.
- 1971 Macbeth, Ronald G., Meadow Close Church Hanborough Oxford, England.
- Nakamura, Fumio, Kyoto Prefectural U. Medicine, 1968 Kawara-Mach I, Kamikyo-Ku, Kyoto, Japan.
- 1964 Perez, Alfredo C., Instituto Celis Perez, Avenida Montes Deoca, Valencia, Venezuela, 1965.
- 1952 Tapia-Acuña, Ricardo, Av. Insurgentes, Sur No. 300, Mexico 7 D.F., 1953, '57, '60°, '67, '73, '75, '81°.
- 1936 Vialle, Jacques, 27 Rue de France, Nice (Alpes Maritimes), France.

#### Emeritus Fellows — 41

- 1980 (1962) Arnold, Godfrey E., 2500 N. State St., Jackson, MS 39216, 1962, '63\*, '64\*, '66, '69, '70, '72, "73, '75, 77, 79.
- 1973 (1944) Boies, Lawrence R., Dept. of Otolaryngol., A-605, Mayo Memorial Bldg., Minneapolis, MN 55455, 1944, '46-'48\*-'50-51\*, '53-'68\*-'69, '71.
- 1966 (1945) Campbell, Paul A., 700 E. Hildebrand, Apt. 401, San Antonio, TX 78212.
- 1965 (1942) Canfield, Norton, 59 Whitfield St., Guilford, CT 06437.
- 1978 (1959) Cracovaner, Arthur J., 170 W. End Ave., New York, NY 10023, 1959-'61\*-'63, '65-'69, '72, '74-'76,
- 1982)1960 1DALY, John F., 16 N. Brae Ct., Tenafly, NJ 07670,1960,61\*,79\*,81.
  - 1977 (1951) DAVISON, Francis W., Geisinger Med. Ctr, Danville, PA 17821,1951-53\*,63: 67.\*.69\*.73\*.75.77.78\*.79.
  - 1980 (1968) DeWeese, David D., 3181 SW Sam Jackson Park Rd., Portland, OR 97202, 1968-'69°, '73-'30.
  - 1972 (1962) Erich, John B., Mayo Clinic, 102 Second Ave., Rochester, MN 55901.
- (1982)1963 Ferguson, Charles F., P. O. Box 313, Osterville, MA 02655, 1963, '64°, '66, '67", '68, '69°-74°-78°-'81.
  - 1979 (1955) FITZ-HUGH, Glassel S., 145 Blue Ridge Rd., Charlottesville, VA 22903, 1955, 1975 (1953) Work, Walter P., 172 E. Paseo de Golf, Green 57.59.62\*.64-67\*.68-77.78
  - 1970 (1940) Goodale, Robert L., 141 Argilla Rd., Ispwich, MA 01938, 1971, '74-'76.
  - 1963 (1928) Goodyear, Henry M., 2012 Edgecliff Point, Cincinnati, OH 45206.
  - 1980 (1965) Hanckel, Richard W., Jr., 9 Valley Forge Dr., Nashville, TN 37205, 1065-'67, '69-'74, '77-'80.

- 1978 (1960) Harris, Herbert H., 3457 Meadow Lake Lane, Houston, TX 77027, 1960, '61\*-'65\*-'75, '77-'79,
- HEATLEY, Clyde A., 2500 East Ave. 1968 (1942) Rochester, NY 14610,1942,46\*,49,50 52-53\*-55.57.58.60.61.65
- 1978 (1959) Henry, G. Arnold, Suite #2, Group Box 24, Lagoon City, RR #1, Brechin, Ont., LOK1BO, Canada, 1959, '61, '63, '66, '67, '69, '70, '73.
- 1980 (1955) HILGER, Jerome A., 393 Dunlap St. Suite 6A, St. Paul, MN 55104, 1955-56\*,60,62-66,68-71,75-78,80
- 1977 (1957) Holmes, Edgar M., Graydale Circle, Auburndale, MA 02166, 1957, '59, '61, '63, '68, '70-'72, '74-'76,
- 1961 (1950) Kline, Oram R., 896 Lake Avc., Woodbury Heights, NJ 08097, 1961, '63, '70, '72, '74.
- 1977 (1963) Lathrop, Frank D., R.D.1, Pittsford, VT 05763, 1963, '64\*, '67\*, '69-'78, '80-'81.
- 1964 (1952) McCall, Julius W., 22880 Canterbury Lane, Shaker Heights, OH 44122, 1964, '66, '68-'73, '75-'78.
- 1980 (1963) McGovern, Francis H., 139 S. Main St., Danville, VA 24541, 1963, '64, '66, '68, '71, '72, '74, '75, '77, 79, '81.
- 1974 (1951) McHenry, Lawrence C., 1607 Glenbrook Terrace, Oklahoma City, OK 73116, 1953\*, '62-'66, '68, '71.
- 1970 (1931) McNally, William J., 25 Redpath Pl. Montreal, Canada H3G-1E2,1972-'75
- 1978 (1957) Munoz-MacCormick, Carlos Eduardo, 71 de Diego, Santurce, PR 00911, 1957-'80.
- 1971 (1953) Murtagh, John A., 1198 A1A Apt. 240, Hillsboro Beach, Pompano, FL 33062, 1953-'56\*, '57-'61, '62-'63, '65-'67, 69, '70, '72, '74, '76, '78-'80.
- O'KEEFE, John J.,111 S.11th St. 1981 (1958) Philadelphia, PA 19107,1958-59\*, 60.62.64.67.71.73.74.75.78.80
- 1976 (1951) Priest, Robert E., 322 Medical Arts Bldg., Minneapolis, MN 55402, 1977-'81.
- 1980 (1951) Putney, F. Johnson, 80 Barre St., Charleston, SC 29401, 1951-'53\*-'58\*-'63\*-64\*-'68\*-'69\*-'70\*-'72, 74-78\*, 79\*.
- 1972 (1956) Richardson, John R., P.O. Box 52, Searsport, ME 04974.
- 1981 (1959) Sanders, Sam H., 1286 Peabody Ave., Memphis, TN 38104, 1959-'63, '65, '70-'73, '75, '78.
- 1977 (1958) Simonton, Kinsey M., % Foster, Duxbury, MA 02332, 1958, '59\*, '62, '64, '66, '67, '69, '72, '74, 75, 78.
- Smith, Austin T., 235 Landaster Ave 1939 (1950) Devon, PA 19333,1970-'74
- SUEHS, Oliver W., 2805 Robbs Run 1982 (1961) Austin, TX 78703,1961-64,66,68-72,
- 74-78 1973 (1963) Tolan, John F., 3419 47th Ave., NE, Seattle, WA 98105, 1963-'67, '69, '71, '73.
- 1961 (1941) Viole, Pierre P., 241 South Windsor, Los Angeles, CA 90004, 1964.
- 1977 (1962) WEAVER, Delmar F., Med Professional Bldg., PO 862, Culpeper, VA 22701, 1962-64\*, 65, 67\*, 69-70\*, 72, 74, 76
- Valley, AZ 85614, 1953, '54, '56, '58, '59°, '62, '63°, '65, '67-'69, '72, '73, '75, '76, '78°, '79°.

# Corresponding Fellows — 14

- 1978 Arauz, Juan Carlos, 2150 Cangallo, Buenos Aires, Argentina. 1040, 1980.
- 1972 Arslan, Prof. Michele, Otorinolaringoiatrica dell' Universita da Padova, 37 Via Altinate, Padova, Italy, 1972.
- 1959 BATEMAN, Sir Godffrey H., Thorney-Graffham, Petworth West Sussex, England
- 1980 Benjamin, Bruce, 229 Macquaric St., Sydney, N.S.W. 20000 Australia, 1980, '81,
- CLEVES, Carlos, 12, 20-69 Bogota 1964 Columbia. 1970
- DOHLMAN, Gosta, 304 Cresdent Dr., E 1966 Bradenton, FL 22505, 1966
- Halliday, Sir George C., 143 Macquarie St., Sydney, 1970 N.S.W. Australia.
- 1970 Hutcheon, Jack, Morris Towers, 149 Wickham Terrace, Brisbane, Australia, 1971, '78, '80.
- 1978 Kleinsasser, Oskar, Deutschhausstrabe 3, 355 Marburg (Lahn), Cologne, West Germany.
- 1971 Macbeth, Ronald G., Meadow Close Church Hanborough Oxford, England.
- Nakamura, Fumio, Kyoto Prefectural U. Medicine, 1968 Kawara-Mach 1, Kamikyo-Ku, Kyoto, Japan.
- Perez, Alfredo C., Instituto Celis Perez, Avenida Montes Deoca, Valencia, Venezuela, 1965.
- Tapia-Acuña, Ricardo, Av. Insurgentes, Sur No. 300, 1952 Mexico 7 D.F., 1953, '57, '60°, '67, '73, '75, '81°.
- 1936 Vialle, Jacques, 27 Rue de France, Nice (Alpes Maritimes), France.

#### Emeritus Fellows — 41

- 1980 (1962) Arnold, Godfrey E., 2500 N. State St., Jackson, MS 39216, 1962, '63\*, '64\*, '66, '69, '70, '72, "73, '75, 77, 79.
- 1973 (1944) Boies, Lawrence R., Dept. of Otolaryngol., A-605, Mayo Memorial Bldg., Minneapolis, MN 55455, 1944, '46-'48\*-'50-51\*, '53-'68\*-'69, '71.
- 1966 (1945) Campbell, Paul A., 700 E. Hildebrand, Apt. 401, San Antonio, TX 78212.
- 1965 (1942) Canfield, Norton, 59 Whitfield St., Guilford, CT
- Cracovaner, Arthur J., 170 W. End Ave., New 1978 (1959) York, NY 10023, 1959-'61\*-'63, '65-'69, '72, '74-'76,
- 1982)1960 1DALY, John F., 16 N. Brae Ct., iTenafly, NJ 07670,1960,61\*,79\*,81.
  - 1977 (1951) DAVISON, Francis W., Geisinger Med. Ctr, Danville, PA 17821, 1951-53\*, 632 67.\*.69\*.73\*.75.77.78\*.79.
  - 1980 (1968) DeWeese, David D., 3181 SW Sam Jackson Park . Rd., Portland, OR 97202, 1968-'69°, '73-'30.
  - 1972 (1962) Erich, John B., Mayo Clinic, 102 Second Ave., Rochester, MN 55901.
- (1982)1963 Ferguson, Charles F., P. O. Box 313, Osterville, MA 02655, 1963, '64\*, '66, '67\*, '68, '69\*-74\*-'78\*-'81.
  - 1979 (1955) FITZ-HUGH, Glassel S., 145 Blue Ridge 57.59.62\*.64-67\*.68-77.78
  - 1970 (1940) Goodale, Robert L., 141 Argilla Rd., Ispwich, MA 01938, 1971, '74-'76.
  - 1963 (1928) Goodyear, Henry M., 2012 Edgecliff Point, Cincinnati, OH 45206.
  - 1980 (1965) Hanckel, Richard W., Jr., 9 Valley Forge Dr., Nashville, TN 37205, 1965-'67, '69-'74, '77-'80.

- 1978 (1960) Harris, Herbert H., 3457 Meadow Lake Lanc, Houston, TX 77027, 1960, '61\*-'65\*-'75, '77-'79,
- HEATLEY, Clyde A., 2500 East Ave.; 1968 (1942) Rochester, NY 14610,1942,46\*,49,50 52-53\*-55.57.58.60.61.65
- 1978 (1959) Henry, G. Arnold, Suite #2, Group Box 24, Lagoon City, RR #1, Brechin, Ont., L0K1B0, Canada, 1959, '61, '63, '66, '67, '69, '70, '73.
- 1980 (1955) HILGER, Jerome A., 393 Dunlap St. Suite 6A, St. Paul, MN 55104,1955-56\*.60.62-66.68-71.75-78.80
- Holmes, Edgar M., Graydale Circle, Auburndale, 1977 (1957) MA 02166, 1957, '59, '61, '63, '68, '70-'72, '74-'76,
- Kline, Oram R., 896 Lake Avc., Woodbury Heights, NJ 08097, 1961, '63, '70, '72, '74. 1961 (1950)
- 1977 (1963) Lathrop, Frank D., R.D.1, Pittsford, VT 05763, 1963, '64\*, '67\*, '69-'78, '80-'81.
- 1964 (1952) McCall, Julius W., 22880 Canterbury Lane, Shaker Heights, OH 44122, 1964, '66, '68-'73, '75-'78.
- 1980 (1963) McGovern, Francis H., 139 S. Main St., Danville, VA 24541, 1963, '64, '66, '68, '71, '72, '74, '75, '77, 79, '81.
- 1974 (1951) McHenry, Lawrence C., 1607 Glenbrook Terrace, Oklahoma City, OK 73116, 1953\*, '62-'66, '68, '71.
- 1970 (1931) McNally, William J., 25 Redpath Pl. Montreal, Canada H3G-1E2,1972-'75
- 1978 (1957) Munoz-MacCormick, Carlos Eduardo, 71 de Diego, Santurce, PR 00911, 1957-'80.
- 1971 (1953) Murtagh, John A., 1198 A1A Apt. 240, Hillsboro Beach, Pompano, FL 33062, 1953-'56°, '57-'61, '62-'63, '65-'67, 69, '70, '72, '74, '76, '78-'80.
- O'KEEFE, John J.,111 S.11th St. 1981 (1958) Philadelphia, PA 19107,1958-59\*, 60.62.64.67.71.73.74.75.78.80
- 1976 (1951) Priest, Robert E., 322 Medical Arts Bldg., Minneapolis, MN 55402, 1977-'81.
- 1980 (1951) Putney, F. Johnson, 80 Barre St., Charleston, SC 29401, 1951-'53\*-'58\*-'63\*-64\*-'68\*-'69\*-'70\*-'72, '74-'78\*, '79\*.
- 1972 (1956) Richardson, John R., P.O. Box 52, Searsport, ME
- 1981 (1959) Sanders, Sam H., 1286 Peabody Ave., Memphis, TN 38104, 1959-'63, '65, '70-'73, '75, '78.
- 1977 (1958) Simonton, Kinsey M., % Foster, Duxbury, MA 02332, 1958, '59\*, '62, '64, '66, '67, '69, '72, '74, 75, 78.
- 1939 (1950) Smith, Austin T., 235 Landaster Ave Devon, PA 19333,1970-'74 SUEHS, Oliver W., 2805 Robbs Run
- 1982 (1961) Austin, TX 78703,1961-64,66,68-72;
- Tolan, John F., 3419 47th Ave., NE, Seattle, WA 1973 (1963) 98105, 1963-'67, '69, '71, '73.
- 1961 (1941) Viole, Pierre P., 241 South Windsor, Los Angeles, CA 90004, 1964.
- 1977 (1962) WEAVER, Delmar F., Med Professional Bldg., PO 862, Culpeper, VA 22701, 1962-64\*, 65, 67\*, 69-70\*, 72, 74, 76
- Rd., Charlottesville, VA 22903, 1955, 1975 (1953) Work, Walter P., 172 E. Paseo de Golf, Green Valley, AZ 85614, 1953, '54, '56, '58, '59°, '62, '63°, '65, '67-'69, '72, '73, '75, '76, '78°, '79°.

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Annual Photograph

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Librarian, Historian and Editor, Gabriel F. Tucker, Jr., M.D.

Nominating Committee, Stanton A. Friedberg, M.D.

Accountant

Treasurer, Loring W. Pratt, M.D.

ALA Governor of the American College of Surgeons, Gabriel F. Tucker, Jr., M.D.

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AMERICAN
LARYNGOLOGICAL ASSOCIATION

1982

VOLUME ONE HUNDRED THREE

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ONE HUNDRED THIRD ANNUAL MEETING

THE BREAKERS

PALM BEACH, FLORIDA

MAY 1 and 2, 1982

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# OFFICERS 1981-1982

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#### PRESIDENTIAL ADDRESS

HAROLD G. TABB, M.D.

It is a pleasure for me as your president to open this 103rd annual meeting of the American Laryngological Association.

The Laryngological Association is the second oldest society in our specialty; preceded only by the Otologic Society. It is the senior society for the head and neck surgeon and has provided direction and leadership in our specialty for over 100 years. I am honored and deeply grateful to serve as your president.

I came into this distinguished society 19 years ago, and have served on the Council as your Treasurer for the past 5 years. Through the years I have been impressed with the people in this society; the quiet dignity which has prevailed, the adherence to tradition and the preservation of excellence in the scientific programs. I hope we can maintain this heritage in this, and the meetings to follow.

There are problems in Otolaryngology as Dr. Daly so eloquently pointed out 3 years ago in his presidential address.

We are wrestling with a name change

We are training two classes of Otolaryngologists - the Generalist and the Super specialist.

We are losing Otolaryngologists to other specialties where they seek

The Board is seriously deliberating the question of subcertification; a subject you will hear discussed later in the program by Dr. Reed.

Members of the Laryngological Association are playing a vital role in solving these problems. As these men of honesty, integrity, with intensity of purpose step forward to assume leadership, I have no doubts that these problems will be solved. Let us move forward as Dr. Conley and Dr. Daly have suggested, and develop a plan for the future for our specialty.

For our program I have solicited papers from the newer members of our society. We have had a tremendous response and with the help of the Council we have developed a program that I hope you will enjoy.

In closing I want to thank the membership for the high privilege of serving as your president. I want to express my gratitude to the Council for their assistance and guidance, and especially Dr. William Trible who has made my short term a very pleasant one.

INTRODUCTION OF THE GUEST OF HONOR, JAMES W. McLAURIN, M.D.

Harold G. Tabb, M.D., President

My guest of honor for this meeting is James W. McLaurin, whom I have known and admired for many years, and who has greatly influenced my academic career in Otolaryngology.

Jim McLaurin grew up in Mississippi, attended Washington and Lee, graduated from medicine at the University of Arkansas. He received his Oto training at the University of Southern California, under Dr. J. McKenzie Br completion of his residency he entered private practice in Baton Rouge, Louwith a teaching appointment at LSU Medical School.

In 1949 he was appointed Professor and Chairman of the Department Otolaryngology at Tulane University School of Medicine; a position he held next 10 years. The unusual thing about this appointment was that he ran the ment from Baton Rouge, seventy miles away. He would arise at 4:00 a.m., are to New Orleans in time to supervise the residents in surgery, administer the in the department at the medical school and return to Baton Rouge in the after the to begin his office practice. This was done three days a week for almost the supervise the residents.

During this time he developed a strong academic department at Tula He organized the first speech and hearing center in the mid-south; training the early Audiologists. He developed the first hearing conservation progra South. His interests were primarily in Otology, but he made contributions literature both in Laryngology and Otology. He has served on the council of Otological Society and was chairman of the trustees of its research fund.

Jim is partially retired now, and has sufficient time to pursue his avid sport: bird hunting. He has hunted grouse in Scotland, the red partridge in Spain, and turkeys in south Alabama.

Jim is a shy, unassuming type person, who has shown unselfish devotion to teaching in Otolaryngology. He has made significant contributions in our specialty. He has given me continued support in my academic career, and I am happy to honor him today. He is just an all-around great guy and when you know him, you will like him. My guest of honor, James W. McLaurin.

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GUEST OF HONOR'S SPEECH

OTOLARYMOULUGY

I do not have the words to tell you how much I appreciate it, but

I thank you for the privilege of being your Guest of Honor.

I am humbly grateful and deeply touched.

What I have to say would probably best be said at a Teachers
Section of the Academy, but knowing that most of you are teachers,
I cannot resist the opportunity to tell you my observation of the
otolaryngologists who are completing their residencies and beginning practice. They are all excellent surgeons, and I am sure
most of them could cut your head off and put it back with good
results. Many of them, however, know very little about the practice
of medicine.

This is a very stressful world we live in, and they should know that stress causes many ear, nose, and throat complaints.

Probably the most common is bruxism with tempromandibular joint symptoms and headache. They should also know that although Americans have access to more and better food than the people in most other countries, many of our patients are on an inadequate or improper diet. This faulty nutrition often results in electrolyte and blood chemistry changes which cause ear, nose, and throat complaints.

Moreover, in spite of the popularity of walking, jogging, tennis playing, and other sports today, many older patients do not take

any exercise. Lack of exercise can result in a lack of oxygen to cells and tissue and can produce ear, nose and throat symptoms.

We can make a much longer list of conditions that do not require surgery, but my plea to you is to continue to teach residents to be great surgeons but to teach them also to treat the whole patient.

I thank you again for allowing me to be your Guest of Honor.

This recognition by my peers, I shall always cherish.

## EIGHTH DANIEL C. BAKER, JR., LECTURE

INTRODUCTION OF GEORGE REED, M.D.

Harold G. Tabb, M.D., President

It is my privilege to introduce the eighth annual Daniel C. Baker, Jr. Memorial Lecturer.

We are honored to have a member of our own society present the Baker Lecture today; a man who was a colleague of Dan Baker on the American Board of Otolaryngology, and many other societies.

Dr. George Reed is the past president of the American Board of
Otolaryngology and is now executive secretary-treasurer. He is imminently
qualified to speak on the subject of certification today, having served on the
Board of the Academy of Otolaryngology as secretary for continuing education,
and as a representative to the American Board of Medical Specialties.

He is a past chairman of the Department of Otolaryngology, and now
Dean of the College of Medicine and Vice President of the Medical Center, State
University of New York, Upstate Medical Center, Syracuse, New York.

It is an honor for me to present my good friend, Dr. George Reed who will deliver the Baker Lecture, entitled "Subcertification; A Dilemma for Otolaryngology - Head and Neck Surgery.

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# AMERICAN LARYNGOLOGICAL ASSOCIATION

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May 1 and 2, 1982

THE PREAKERS
Palm Beach, Florida

The profession is cordially invited to attend; American Laryngological badge required to attend Scientific Sessions





May 1 and 2, 1982

THE BREAKERS
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The profession is cordially invited to attend; Àmerican Laryngological badge required to attend Scientific Sessions Mi.ki

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"DOCENDO DISCIMUS"

## FIRST DAY, SATURDAY, MAY 1, 1982

8-15 8-00 a.m.

Morning Session

Executive Session (Fellows Only)

Election of Emeritus and Active Members

Election of Nominating Committee

Introduction of Newly Elected Active Fellows

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1. Report of Secretary William M. Trible,

2. Report of Treasurer Loring W. Pratt. M.D.

3. Report of Historian & Editor Gabriel F. Tucker, Jr., M.D.

8:15 a.m.

PRESIDENTIAL REMARKS Harold G. Tabb, M.D. New Orleans, Louisiana

INTRODUCTION OF GUEST-OF-HONOR

347 8:25 a.m.

GUEST-OF-HONOR
James W. McLaurin, M.D.
Baton Rouge, Louisiana
Professor of Otolaryngology
Tulane University School of Medicine

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SCIENTIFIC SESSION Harold G. Tabb, M.D. Presiding

8:30 a.m.

Age Related Changes in the Monkey Larynx Charles W. Cummings, M.D. Seattle, Washington Michael P. Stearns, M.D. (By Invitation) London, England

An experiment was designed to measure the area of the squamous epithelium below the free edge of the true vocal cord, in Rhesus monkeys. A group of 14 monkeys was utilized. Their mean age was 15 years (sd-10.6) and included two 24 year olds, and three 31 year old monkeys. The latter two groups would be expected to show the age changes of centenarian humans. We were fortunate in this study to have a unique group of primates which were much older than so far available to research.

The larynges were stained with Pyronin Y<sup>1</sup>, which stains respiratory epithelium magenta, and squamous epithelium pink. The larynges were then split, and the area of squamous epithelium beneath the free edge of the true vocal cord measured.

It was found that the area of squamous epithelium beneath the vocal cord edge increased with age during adulthood. There was good correlation statistically (r=0.61, p=0.05). If this occurs in humans it may be an important factor in the staging of laryngeal tumors. The glottis is defined arbitrarily as extending 1 cm below the free edge of the true

vocal cord.<sup>2</sup> It may be that there is considerable variation in the "glottic" area of the larynx. These findings tend to support Stell's<sup>3</sup> contention that the glottis, with respect to staging should be considered to be that area covered with squamous epithelium, when considering the lower limit of the glottis.

8:40 a.m. Office Telescopic Photography of the Larynx Eiji Yanagisawa, M.D. New Haven, Connecticut

Accurate photographic documentation of the larynx is of considerable value for teaching, permanent record, proper diagnosis and management of various laryngeal disorders. Yet, there is no single reliable method of still photography of the larynx which laryngologists can easily employ at the office.

After trials of many different methods, the author found that telescopic photography is a most effective and reliable method of office

photography.

The purpose of this presentation is twofold: (1) to review three currently available "right-angle" laryngeal telescopes of different makes and their light sources and to discuss their advantages and disadvantages, and (2) to present the author's method of office telescopic photography of the larynx which has proven to be very satisfactory.

8:50 a.m.

A Classification and Approach to Patients With Functional Voice Disorders

James A. Koufman, M.D. (By Invitation) P. David Blalock, M.A. (By Invitation) Winston-Salem, North Carolina

Functional\* voice disorders are more easily recognized than many other psychosomatic behaviors because the clinician can see the larynx. If the larynx appears normal anatomically, then the vocal dysfunction can be assumed to be due to misuse or abuse (functionality).

A classification of these disorders is presented and illustrated using the case material of the authors (50 cases). An approach to the diagnosis and treatment of these patients is presented.

Type I Hysterical aphonia or dysphonia (conversion-reaction type)

Type II Psychogenic hoarseness (including plica vertriculasis)

Type III Falsetto voice

Type IV Vocal abuse and/or misuse syndromes (including tension-fatigue syndrome)

These disorders may be associated with secondary laryngeal pathology such as:

a. vocal cord nodules

b. Reink's space edema

c. polypoid degeneration

d. contact ulcers and granulomas

\*The term "functional" implies that *not—a priori* laryngeal pathology exists though secondarily vocal cord pathology can develop. "Functional" refers to some form of misuse or abuse of the larynx which is frequently of psychogenic origin.

9:00 a.m.

Pathogenesis of Vocal Cord Polyps Oskar Kleinsasser, M.D. Marburg (Lahn), Germany

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"Pathogenesis of vocal cord polyps," followed by microlaryngoscopy, microscopy and electronmicroscopic observations.

In this paper it is shown that a polyp develops from first vascular submucous changes, to the mucous and teleangiectatic types. Demonstrating the histopathology, histochemical changes and the electron-microscopic alterations at the capillaries of a polyp, the etiology of vocal cord polyps is discussed.

915 a.m. Open discussion of last two papers

9:20 a.m.

Endoscopic Rehabilitation of the Airway in Laryngeal Paralysis F. R. Kirchner, M.D. Kansas City, Kansas

The dissecting microscope plus the use of focal heat, whether applied by the microcautery or Laser beam, for surgical purposes have greatly expanded the field of endoscopic surgery.

The purpose of this presentation is to describe three simple endoscopic techniques that have been used and the results that have been obtained in the rehabilitation of the airway in patients with:

- 1) Unilateral abductor paralysis with comprised airways secondary to excessive injection of Teflon.
- 2) Bilateral abductor paralysis of the vocal cords.
- Revision surgery after arytenoidectomies that fail to produce adequate airway because of the formation of a posterior commissure web.

EXCESSIVE INJECTION OF TEFLON In the past ten years 11 patients with airway obstruction secondary to the injection of excessive amounts of Teflon have been successfully rehabilitated using the microcautery and simple endoscopic approaches. The anatomical distortion encountered in most of them produced by Teflon corresponded to either exophytic bulges projecting into the airway or large intramural infiltrations. While the simple excision of the exophytic bulge was sufficient to rehabilitate the first group of patients, it required excision of a block of infiltrated tissue and drainage to produce the improvement in the second group of patients.

LATERALIZATION OF VOCAL CORDS The lateralization of one vocal cord has been used in the treatment of 22 patients with bilateral abductor vocal cord paralysis. All of these procedures were carried out with the aid of the microcautery, using routine endoscopic approaches.

The treatment consisted in the segmental removal of the thyroarytenoid muscle fibers adjacent to the vocal ligament down to the conus elasticus. This surgical maneuver was easily carried out with the microcautery. A suture introduced into the larynx through the lumen of hypodermic needles was then used to produce the closure of this surgical defect, concomitantly with lateralization of the vocal ligament and the enlargement of the airway.

REVISION SURGERY AFTER ARYTENOIDECTOMY This revision has been used in 6 patients whose airways remained impaired in spite of arytenoidectomies. The cause of failure in these patients was

found to be produced by a posterior cicatricial web that reduced by about one third the anterior posterior dimension of the airway. These complications were treated by lysis of the web plus the relining of the denuded area by means of a split thickness skin graft using purely endoscopic procedures.

9:30 a.m.

Predictive Factors of Success or Failure in Endoscopic Management of Laryngeal and Tracheal Stenosis

George T. Simpson, M.D. (By Invitation)

M. S. Strong, M.D.

G. B. Healy, M.D. (By Invitation)

S. M. Shapshay, M.D. (By Invitation) C. W. Vaughan, M.D. (By Invitation)

Boston, Massachusetts

Stenosis of the larynx and/or trachea presents perplexing problems. No one technique has proven totally satisfactory in the management of all varieties of stenosis. Recent reports have described the successful use of the CO2 laser in stenosis of the larynx and trachea. Failures of this technique need emphasis to assure appropriate selection of therapeutic method. Retrospectively, 46 cases of laryngeal stenosis, 8 cases of tracheal stenosis and 3 cases of combined laryngeal and tracheal stenosis were studied (total: 57 patients) following treatment at the Boston University Affiliated Hospitals. Follow-up ranged from 1 to 7 years. Multiple procedures were required in 16 laryngeal patients (average # of procedures: 2.56), and 6 tracheal patients (average # of procedures: 2.56). Failures in laryngeal stenosis included 9 patients in whom an adequate airway was not established though voice was present. These patients maintained tracheotomies. Three patients required segmental resection of the trachea, with good result.

Factors associated with poor result or failure included excessive application of laser energy, circumferential scarring with cicatricial contracture, tracheomalacia, and presence of tracheostomy. In these circumstances, multiple procedures, more extensive alternative techniques, or maintenance of tracheostomy were necessary. The factors associated with failure or success of the CO<sub>2</sub> laser in the management of laryngo-tracheal stenosis are analyzed.

9:40 a.m. Open

0 a.m. Open Discussion

9:45 a.m. Present Diagnosis and Conservative Surgical Management of Chondrosarcoma of the Larnyx Julius N. Hicks, M.D. (By Invitation)

Birmingham, Alabama

Few laryngologists of even wide experience encounter more than one cartilaginous tumor of the larynx. Knowledge about the clinical characteristics and early diagnosis and treatment still accumulate slowly. This paper points out the important clinical features of Chondrosarcoma of the larynx, emphasizes the need to diagnose these lesions early, discusses the newest diagnostic techniques, and illustrates in detail the conservative surgical management of a lesion found reasonably early arising from the posterior cricoid plate.

9:55 a.m. Case Presentation: Chondrosarcoma of the Larvnx

Francis LeJeune, Jr., M.D. New Orleans, Louisiana

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10:00 a.m. BAKER LECTURE

Subcertification: A Dilemma For Otolaryngology-Head and Neck Surgery

George F. Reed, M.D. Syracuse, New York

10:15 a.m. Recess

10:30 a.m. Announcements

Stuart Strong, M.D., Vice President

President-Elect Presiding

10:35 a.m. An Extended Transantral Approach for

An Extended Transam.
Pterygomaxillary Tumors
Charles J. Krause, M.D.

Ann Arbor, Michigan

An extended transantral surgical approach to the pterygomaxillary space and nasopharynx is described. This approach provides a number of advantages over other approaches when utilized for benign and malignant tumors, including direct visualization of tumor extending into the pterygomaxillary space and through the inferior orbital fissure. A review of the twelve patients in whom this approach has been utilized will be presented. The advantages and limitations of this approach will be discussed and illustrated.

10:45 a.m. The Primary Management of Laryngeal Trauma Steven D. Schaefer, M.D. (By Invitation) Dallas, Texas

Following the treatment policies derived from the author's previous retrospective institutional review of fifty-three consecutive laryngeal fractures, an additional 20 patients were prospectively managed over the past three years. Patient management fell into four groups: observation with or without direct laryngoscopy (14 patients), direct laryngoscopy and tracheotomy (8 patients), open reduction of fractures without stenting (21 patients), and open reduction with stenting (30 patients). In the entire group of 73 patients, only two of the individuals (retrospective population) required long term tracheotomy. All other patients obtained a functional airway, and often, a normal voice.

Consistent with the author's previous reports: (1) all surgery was performed within 24 hours after injury; (2) despite frequent massive disruption of the laryngeal mucosa, all wounds were closed primarily; (3) antibiotics were used, but not steroids; (4) tracheotomy, rather than endotracheal intubation, was the method of choice for establishing an airway; and, (5) stents were fixated for approximately four weeks with Prolene® instead of wire. In the prospective patient population, evaluation and surgical intervention were revised to include: (1) application of fourth generation computerized axial tomography to avoid the need for direct laryngoscopy and open reduction in marginal fractures of the larynx, and (2) a decrease in the use of stenting, particularly in stable cartilaginous larynx fractures in which mucosal coverage of the anterior commissure can be reconstructed.

Based on experience, the author has evolved a primary management protocol for both blunt and penetrating trauma to the larynx which yields both predictable and successful results.

10:55 a.m. Open discussion

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Hely Reply.

11:00 a.m.

An Assessment of Intubation in Croup and Epiglottitis

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John J. Zulliger, M.D. (By Invitation) David E. Schuller, M.D. (By Invitation) Thomas P. Beach, M.D. (By Invitation) John P. Garvin, M.D. (By Invitation) Herbert G. Birck, M.D. (By Invitation) John E. Frank (By Invitation) Columbus, Ohio

A series of 626 laryngotracheobronchitis and 55 epiglottitis patients from Columbus Children's Hospital, encompassing a seven year interval from 1973 to 1979, is reviewed to determine the incidence of adverse effects of nasotracheal intubation used to manage upper airway obstruction. Since the original report from this institution, others have supported the safety of intubation for epiglottitis. But there are no reports to assess the use of intubation, especially in croup. There were 83 of 626 children (13%) intubated for croup and 45 of 55 (82%) intubated for epiglottitis. Measurement of peak expiratory flow rates and history taking revealed no permanent complications for the intubated epiglottitis patients. However, there were nine cases of documented subglottic stenosis in the group of children intubated for croup.

This series (1973-1979) when combined with a similar previous evaluation (1965-1972) represents the *total* experience for a fifteen year interval and provides an opportunity to accurately assess the safety of intubation. In the group of 78 children intubated for epiglottitis, there were no permanent complications and no mortality. There were 11 children of 136 (8.1%) who developed permanent complications but no mortality associated with laryngotracheobronchitis intubations.

The safety of nasotracheal intubation for croup or epiglottitis airway problems is demonstrated in this study. However, children intubated for croup under one year of age may be at higher risk for developing subglottic stenosis. The manuscript will include specific recommendations for airway management evolving from this project.

11:10 a.m.

Treatment of Severe Subglottic Stenosis Without Tracheotomy

Tracheotor Lauren D.

Lauren D. Holinger, M.D. (By Invitation) Chicago, Illinois

Congenital and acquired subglottic stenosis is one of the most challenging problems confronting the pediatric otolaryngologist today. Infants and children with stenosis severe enough to require tracheotomy must undergo either laryngotracheoplasty or repeated endoscopic procedure. Weeks, months, or years are usually required to attain a lumen large enough to permit decannulation. Certain of these patients may be managed without tracheotomy. The surgical technique involves endoscopic excision of subglottic tissue using the CO2 laser and suspension microlaryngoscopy. Instrumentation of the larynx is minimized; intubation is avoided by using an insufflation technique for general anesthesia.

Buesla

Smith.

11:20 a.m. Laryngeal Paralysis in the Pediatric Patient

Seymour R. Cohen, M.D. Kenneth A. Geller, M.D. (By Invitation)

Jeffrey W. Birns, M.D. (By Invitation)
Jerome W. Thompson, M.S. (By Invitation) Los Angeles, California

This is a retrospective study which reports a large series of pediatric patients with laryngeal paralysis. The study tabulates the various causes of paralysis in the infant and child many of whom have onset of symptoms in the immediate neonatal period, the problems in evaluating the laryngeal disease, the overall management and long-term followup of patients with larvnegal paralysis of many causes. The problems in evaluating such surgical intervention as the Tucker procedure will be discussed. The long-term results of arytenoidectomy, its indications and timing are presented. The authors experience with laryngeal paralysis over many years is documented.

11:30 a.m. **Neonatal Tracheotomy** 

D 871 Gabriel F. Tucker, Jr., M.D. Carol Roberts Gerson, M.D. (By Invitation)

Chicago, Illinois

We have reviewed the pediatric tracheotomies on our service, at Children's Memorial Hospital, since 1975. We studied the ages of patients treated, birth weights, rates of complications, decannulations and deaths. As compared to previous studies the proportion of procedures done on neonates has dramatically increased. Our technique, which has been modified for the low birth weight infant, is described.

Discussion 11:40 a.m.

12:00 noon Adjourn

Annual Photograph

PRESIDENT'S RECEPTION 6:30 p.m.

ANNUAL BANQUET

SECOND DAY, SUNDAY, MAY 2, 1982 Color

Afternoon Session

ANNUAL BUSINESS MEETING

(Fellows Only)

Report of Nominating Committee

Special Committee Reports Other Rusiness

SCIENTIFIC SESSION Harold G. Tabb, M.D.

President Presiding

adj: 1:30

7

1:30 p.m.

Laryngeal Papilloma: Results of Treatment With the CO<sub>2</sub> Laser and Podophyllum Robert X. Jackler, M.D. (By Invitation) Herbert H. Dedo, M.D. San Francisco. California

A six-year experience involving approximately 90 patients with recurrent laryngeal papillomatosis is presented. All patients were managed by CO<sub>2</sub> laser excision followed by podophyllum painting of their lesions, usually at one month intervals. Results are measured by four criteria: 1) length of disease free interval; 2) number of operations required per year; 3) clearance of individual anatomic sites, and 4) incidence of complications such as respiratory obstruction requiring tracheotomy. Prognostic indicators such as race, age at onset of disease, number of previous procedures, and multiplicity of anatomic sites involved are also analyzed. Results indicate a substantial advantage of laser excision with podophyllum painting over mechanical modes of therapy.

1:40 p.m. Leukocyte Interferon in Patients with Juvenile Laryngeal Papillomatosis (J.L.P.)

Helmuth Goepfert, M.D. (By Invitation) R. B. Sessions, M.D. (By Invitation) J. U. Gutterman, M.D. (By Invitation) A. Cangir, M.D. (By Invitation)

Houston, Texas

Several surgical, medical and even radiotherapeutic measures have been used in an attempt to control J.L.P. Such treatment modalities have met with either mixed or little success or have brought about unfavorable sequelae, including transformation into cancer.

It has been hypothesized that the disease has a viral cause and/or perpetuation.

The Interferon system is part of the complex mechanism of cellular defense and immunity. Cellular Interferon is produced and secreted by cells infected by viruses and a variety of other agents (Interferon inducers). The Interferons are named in one of the nomenclatures, according to the cell type of production, are able to modify the host defense mechanisms and show ability to inhibit the proliferation of certain tumor and normal cells. There is increasing evidence for the efficacy of leukocyte Interferon in the treatment of human viral diseases and certain human malignant tumors.

Fourteen patients, ages 22 months to 30 years (median 9 years) with aggressive juvenile laryngeal papillomatosis were entered into a nonrandomized clinical trial. Patient eligibility and restrictions were strictly adhered to. All patients were objectively evaluated and treated by conventional endoscopic micro-surgical and Laser methods at 2 month intervals. The dosage of Leukocyte Interferon was 2 million units per square meter per day and modified according to toxicity, and to established response criteria of the lesions.

The treatment was carried out for 6 months in 11 patients. Two patients had to terminate therapy because of repeated liver enzyme elevation (fully recovered after discontinuation of Interferon) and because of lack of response of disease process. No untoward sequelae have been encountered.

Of the 11 evaluable patients there was one total remission maintained over 6 months. Seven patients experienced what was defined as a strong to moderate improvement in the objective findings of disease and 2 patients had slight improvement in their papillomas.

The response seemed to be proportional to the dose and frequency of administration; SGOT elevation and leukopenia have been encountered primarily in the younger patient population and have been totally reversible.

250 p.m.

Discussion-Opened by Stuart Strong, M.D. Boston, Massachusetts

2:00 p.m.

Single Stage Correction of the Twisted Nose

M. Eugene Tardy, M.D.

Tom Lawrence, M.D. (By Invitation)

Chicago, Illinois

Satisfactory dorrection of the twisted nose commonly eludes the experienced surgeon and resident physician alike. Undiagnosed deformities, coupled with unpredictable healing occasioned by intranasal scarring and boney irregularities, may further complicate a controlled repair.

Since major septal abnormalities co-exist with asymmetries of the osseocartilaginous vault in most twisted noses, some surgeons advocate a two stage approach, accomplishing septoplasty initially followed by external nasal reconstruction at a later date.

Precisely because these abnormalities are intimately related and interdependent, requiring correction of each to satisfactorily correct the whole, a one stage reconstruction of the functional and esthetic aspects of the crooked nose is advocated.

2:10 p.m.

Sarcoidosis of the Larynx

H. Bryan Neel, III, M.D., Ph.D.
Thomas J. McDonald, M.D. (By Invitation)

Rochester, Minnesota

Sarcoidosis is a chronic granulomatous disease which may affect almost any organ. Most of us have seen patients with manifestations of the disease in the head and neck region, such as cutaneous lesions, uveitis (uveoparotid), parotid enlargement, enlarged cervical lymph nodes, cranial nerve neuropathies, and granular "vasomotor" rhinopathy. On the other hand, many do not realize that three to five percent of patients who have sarcoidosis have laryngeal symptoms. Life-threatening airway obstruction can occur. The first report of histologically confirmed sarcoidosis of the larynx was published by Poe in 1940, although Boeck described nasal, cutaneous and lymph node involvement as early as 1899.

During the past 60 years, 12 patients who had laryngeal sarcoidosis were seen at the Mayo Clinic. The larynx was affected in a characteristic manner, and we believe that laryngologists can often make the diagnosis of laryngeal sarcoidosis by appearance alone. The epiglottis, aryepiglottic folds, false cords and arytenoids were diffusely edematous, pale and thickened; the rim of the epiglottis was infiltrated and showed turban-like thickening in most patients. Less commonly there was a firm, smooth subglottic mass which extended under the anterior commissure and vocal cords. The true vocal cords were never involved.

When the laryngologist is confronted with a patient with chronic laryngeal edema or pseudo-edema and thickening, (s)he must consider a variety of diagnosed sarcoidosis and other granulomatous diseases: lymphoma and other cancers; benign myxomatous polyps, thickening

due to smoking or irradiation; fungal infections; and connective tissue disorders such as amyloidosis and relapsing polychondritis.

200 p.m. to 1

Cricothyroidotomy-The Impact of Antecedant Intubation

Ernest A. Weymuller, Jr., M.D. (By Invitation)
Seattle, Washington

In light of the current debate regarding cricothyroidotomy we elected to study the procedure at our institution. Cricothyroidotomies was instituted whenever tracheotomy was necessary for airway management. After a fairly short period of time some significant complications of cricothyroidotomy were apparent and the study was aborted prior to achieving statistically significant results.

The report will review 17 consecutive cricothyroidotomies. Three patients died of their primary disease with the cricothyroidotomy in place. Of the remaining 14, four (28%) developed significant complications requiring surgical intervention. Of the four, two had life-threatening urgent airway obstruction.

The major underlying factor in patients who developed complications was prolonged intubation. The issue of primary cricothyroido-

tomy for short term airway control remains unanswered.

2:30 p.m.

Nerve-Muscle Pedicle Reinnervation of the Larynx: Avoiding Pitfalls and Complications Harvey M. Tucker, M.D. Cleveland, Ohio

The procedure for reinnervation of bilateral vocal cord paralysis using nerve-muscle pedicle technique has now been well established in the literature. <sup>1-3</sup> Moreover, several other centers have reported success using this technique. <sup>4-5</sup> Nevertheless, the author is aware that a significant number of well trained otolaryngology-head and neck surgery practitioners have found difficulty in making the procedure successful in their hands. It, therefore, seems appropriate to address those aspects of patient evaluation, technique and postoperative followup that have brought a satisfactory level of success in the author's hands.

Preoperative evaluation of patients is the cornerstone of success in nerve-muscle pedicle reinnervation. It is imperative that the larvnx be properly evaluated to be certain that there does not exist fixation or ankylosis of one or both arytenoids in addition to paralysis. Clearly if such fixation exists, nerve-muscle pedicle reinnervation cannot be successful. Second, several pertinent aspects of technique with special reference to the identification of the proper nerve-muscle pedicle, the design of the pedicle and proper identification of the posterior cricoarytenoid muscle will be discussed. Third, postoperative evaluation of patients may be difficult for inexperienced operators. The author has seen at least three patients who were operated on by other surgeons who were referred because of "failure" of the procedure only to find that all three of them were successfully reinnervated with satisfactory motion of the reinnervated cord for reasonable day-to-day activity. All aspects of postoperative evaluation and management will be discussed as well.

2:40 p.m.

Discussion-Opened by Paul Ward, M.D. Los Angeles, California

2:45 p.m. Surgery of the Inferior Nasal Turbinates

William H. Saunders, M.D. Columbus, Ohio 5+ L

The inferior turbinates are responsible for nasal obstruction more often than commonly thought. When there is no other obvious cause for nasal obstruction, and when allergic disorder or other medical condition is not responsible, attention should be given to treatment of the inferior turbinates in many instances of nasal obstruction.

Such treatment is usually surgical and may consist of submucous resection of the turbinate bone or excision of redundant hyperplastic turbinate tissue, or a combination of the two. Other treatments consist of electrocautery or cryotherapy. Injection of corticosteroids have produced blindness through embolism and, in general, this treatment is discouraged.

The paper discusses in some detail which patients are best suited for submucous resection and which for excision of soft tissue. Techniques, which are simple, are also described.

2:55 p.m. Open Discussion

3:00 p.m. RECESS

SCIENTIFIC SESSION Raleigh Lingeman, M.D. Councilor at Large Presiding

3:20 p.m.

Correction of Posterior Glottic Incompetence Following Extended Partial Laryngectomy Hugh F. Biller, M.D. William Lawson, M.D. (By Invitation) Steven Sacks, M.D. (By Invitation) New York, New York

Vertical or horizontal partial laryngectomy with resection of the arytenoid cartilage results in posterior glottic incompetence accompanied by chronic aspiration post-operatively. The laryngeal rehabilitation of such patients requires replacement of the absent arytenoid. A variety of methods have been proposed for the primary reconstruction of the resected arytenoid. However, in patients lacking, or with inadequate primary reconstruction of the posterior glottis, few procedures have been described for correction other than the endoscopic injection of teflon. A new method of delayed repair utilizing the submucosal placement of cartilage or bone graft through an external approach has been devised. The results in five cases are presented.

3:35 p.m.

Thyroid Carcinoma with Laryngeal Invasion (Subglottic Hemilaryngectomy Treatment) -Michael Friedman, M.D. (By Invitation) Emanuel M. Skolnik, M.D. Chicago, Illinois

Thyroid carcinoma rarely invades the larynx, but when it does, proper management has been classically considered to be total laryngectomy. Several cases have been successfully treated with individualized forms of partial laryngectomy. Because invasion usually occurs in the subglottic area, no standard partial laryngectomy is appropriate for treatment.

The experience in recent years has prompted a review of all cases of thyroid carcinoma with laryngeal invasion treated at the University of Illinois and affiliated hospitals over the past twenty-five years. Pathological sections were retrospectively studied to determine the exact extent and areas of invasion. Similar areas were then resected in experimental animals and reconstructed to determine the incidence of subglottic stenosis.

Based on the nature of thyroid carcinoma and the margins considered acceptable in other areas, we feel that the subglottic hemilaryngectomy should be considered basic surgical treatment for thyroid carcinoma

invading the larynx.

3:45 p.m.

Open Discussion

Tracheostomal Stenosis After Total Muld

3:50 p.m.

Laryngectomy Eugene N. Myers, M.D.

Louis J. Gallia, D.D.S., M.D. (By Invitation)

Pittsburgh, Pennsylvania

Stenosis of the tracheostoma after total larvngectomy is an infrequent but often distressing postoperative complication. It may occur in the immediate postoperative period or years later. Stomal stenosis will compromise not only optimum air exchange but also the ability to clear tracheobroncheal secretions. Severe stenosis especially with the addition of crusting may result in asphyxia.

Factors contributing to stomal stenosis include excessive scar formation, keloid formation, excessive peristomal fat or edema, defective or absent tracheal rings, recurrent tumor, and inadequate excision of

peristomal skin at initial stomal construction.

The ideal method of dealing with tracheostomal stenosis is prevention. Preventive measures including preoperative planning, stomal construction and postoperative care are discussed.

Once tracheostomal stenosis has developed it is best managed by surgical correction. Previously described methods of repair are reviewed.

The author's method of stenosis correction consists of 1) excision of concentric stomal scar, 2) additional excision of inferior (lower) peristomal skin, extensive undermining and suturing of the lower stomal margin under moderate tension, and 3) creation of a superior stomal V-Y advancement which opens the superior margin and introduces a tongue of cutaneous tissue which acts to enlarge the stoma. This technique can also be used as a method of primary stomal construction in those patients predisposed to stomal stenosis.

A series of illustrative cases are provided to demonstrate the salient features of this technique.

4:00 p.m. Causes of Failure of Esophageal Speech George A. Gates, M.D. San Antonio, Texas

Patients undergoing laryngectomy in the 1980's have a low rate of acquisition of esophageal speech due to a variety of factors.

Postoperative radiotherapy and postoperative stricture of formation are the two most important predictors of failure to acquire esophageal speech. Within the usual demographic characteristics of patients undergoing laryngectomy, factors such as age, sex, extent of lesion, use of electrolarynx and extent of speech therapy do not correlate with success or failure of esophageal speech.

4:10 p.m. Open Discussion

4:15 p.m.

28

Primary Vocal Rehabilitation Using the Blom-Singer and Panje Voice Prosthesis

Michael D. Maves, M.D. (By Invitation)

Raleigh E. Lingeman, M.D. Indianapolis, Indiana

Vocal rehabilitation by means of tracheoesophageal puncture and placement of either the Blom-Singer or Panje silicone prosthesis has become a standard method of speech production following total laryngectomy. The same technique has been employed primarily at the time of the laryngectomy at the Indiana University Medical Center and we have found it to be extremely useful for several reasons. Our experience with primary vocal rehabilitation by using this technique forms the basis for this report.

To begin with, by placing the tracheoesophageal fistula at the time of the ablative procedure a second operation is eliminated. Care in the closure of the pharynx or selective myotomy of the constrictor musculature may be performed also to afford the maximum chance of success with prosthetic speech production. A considerable psychological boost is given to the patient, as speech may begin as soon as 7 to 10 days post laryngectomy. The nasogastric tube is eliminated as feeding may be given through the catheter in the tracheoesophageal puncture site. Most importantly, we have observed that the evidence of pharyngeal spasm is considerably lower than when the procedure is done at a later stage when scar tissue has been allowed to form.

Limitations of the technique have been few but are related to the situation in which large amounts of pharyngeal mucosa have been resected and a nasogastric tube is required to maintain a patent pharyngeal lumen, or when postoperative irradiation therapy and the resultant skin reaction may necessitate limited voicing.

4:25 p.m. Discussion-Opened by

William Panje, M.D. (By Invitation)
Iowa City, Iowa

Mark I. Singer, M.D. (By Invitation)

Indianapolis, Indiana

4:30 p.m. Principles of Chemo and Radiobiology as Applied to Clinical Management of Head and

Neck Cancer Ralph Weicheselbaum, M.D. (By Invitation),

Thomas Ervin, M.D. (By Invitation)

Marshall Posner, M.D. (By Invitation)

Daniel Miller, M.D. (By invitation

Boston, Massachusetts

The goal of combined modality cancer management is complete eradication of all clonogenic cancer cells. To achieve this aim, the biological principles underlying chemotherapy, radiotherapy and surgery must be manipulated for optimal therapeutic results.

In head and neck cancer, combinations of radiation therapy and surgery have been imployed with results which vary with the initial stage of disease presentation. One reason for radiotherapeutic failure is the presence of hypoxic tumor cells. Hypoxic cells are more radioresistant than well-oxygenated cells and surgery may remove this resistant ridus. Recently, some alkylating agents have been shown to be ineffective under hypoxic conditions. The nitroimidazole, misonida-

zole, an electron affinic agent originally employed as a radiation hypoxic cell sensitizer, has recently been shown to be effective in sensitizing experimental animal tumors to chemotherapy. We will present this data as well as a theoretical model for combining hypoxic sensitizers with radiation and chemotherapy in head and neck cancer treatment.

Repair of x-ray and chemically induced DNA damage may lead to the emergence of resistant tumor clones to chemotherapeutic agents as well as alteration in strategies for fractionation in clinical radiotherapy. Repopulation and recruitment of the normal tissues are important concepts in radio and chemo biology which must be considered to enhance the therapeutic ratio. Prevention of stem cell depletion of normal tissues has important implications for the delivery of chemotherapy, radiotherapy, as well as wound healing following surgery.

In summary, radiotherapy and chemotherapy have similar therapeutic road blocks in Head and Neck Oncology and integration of basic principles with surgery is essential for an optimal therapeutic result.

4:45 p.m. Election of Board of Directors and Organization of the Officers

Secretary's Announcement

Installation of Newly Elected Officers

ADJOURNMENT

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Vice President, President Elect Stuart Stron Boston, Massachusett	
Secretary	e .
Treasurer Loring W. Pra Waterville, Main	
Historian, Editor	r. is
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Third Councilor John A. Kirchne New Haven, Connecticut	er
Fourth Councilor	r

## THE MEMORIAL FUND LARYNGOLOGICAL RESEARCH FUND

The Council earnestly requests that Fellows of the Association give consideration to making a special bequest to these important Funds, or to become a Benefactor.

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## DIRECTORY

## JANUARY 1, 1982

#### HONORARY FELLOWS

1978 (1959)	Barretto, Plinio de Mattos, Rua Cons Torres Homen 371, Sao Paulo, Brazil
1957 (1925)	Clerf, Louis H., 5575 Eighth Ave., North,
1978 (1971)	St. Petersburg, Florida 33710 Harrison, Donald F. N., 330/332 Gray's Inn
1966 (1957)	Road, London, W.C., 1, England Ono, Jo. 6-13-6 Chrome, Roppongi Minato-Ku
1968 (1937)	Tokyo 106 Japan Portman, Prof, Georges, Clinque Saint-
	Augustin, 114, Avenue D'Ares, Bordeaux, France
1968 (1957)	Reudi, Prof. Dr. Luzius, Kurhauss Trasse 50 Zurich, Switzerland
1978 (1932)	Schall, LeRoy A., P.O. Box 136, Barnstable, Mass. 02630
	CORRESPONDING FELLOWS
	TEXT december of the december of the second
1978	Araus, Juan Carlos, 2150 Cangello 1040 Buenos Aires, Argentina
1972	Arslan, Prof, Michele, Otorinolaringoiatrica
	dell' Universita de Padova, 37 Via Altinate, Padova, Italy
1959	Bateman, Sir Geoffrey, Thorney-Graffham, Petworth West Sussex GU28 OGA, England
1980	Benjamin, Bruce, 229 Macquarie Street Sydney, NSW .2000, Australia
1964	Cleves, Carlos Carrea 12, 20-69, Bogota, Columbia, S.A.
1966	Dohlman, Gosta 304 Cresdent Drive E. Bradenton, Florida 22505
1970	Halliday, Sir George C., 143 Macquarie St., Sydney, N.S.W., Australia
1970	Hutcheon, Jack, Morris Towers, 149 Wickham Terrace, Brisbane, Australia
1978	Kleinsasser, Oskar, Deutschhausstrabe 3 355 Marburg (Lahn) West Germany
1971	Macbeth, Ronald G., Meadow Close, Church Hanborough, Oxford, England
1968	Nakamura, Fumio, Kyoto Prefectural U. Medicine, Kawara-Mach 1, Kamikyo-Ku, Kyoto, Japan
1964	Perez, Alfredo C., Institito Celis Perez, Avenida Montes Deoca, Valencia, Venezuela, S.A.
1952	Tapia-Acuna, Ricardo, Av. Insurgentes, Sur No. 300 Delegacion Cuauhtemoc, 06700 Mexico 7,D.F
1936	Vialle, Jacques, 27 Rue de France, Nice (Alpe- Maritimes), France

	EMERITUS FELLOWS
1980 (1962)	Arnold, Godfrey E., 2500 N. State Street,
1973 (1944)	Jackson, Mississippi 39216
19/3 (1944)	Boies, Lawrence R., Sr., Dept. of Otolaryngology, A-605, Mayo Memorial
	Bldg., Minneapolis, Minn. 55455
1965 (1942)	Canfield, Norton, 59 Whitfield St., Guilford,
	Conn. 06437
1978 (1959)	Cracovaner, Arthur J., 170 West End Ave.,
1077 (1051)	Apt. 22P, New York, New York 10023 Davison, Francis W., Geisinger Medical
1977 (1951)	Center, Danville, Pa. 17821
1980 (1968)	DeWeese, David D., 3181 S.W. Sam Jackson
	Park Road, Portland, Oregon 97202
1972 (1952)	Erich, John B., Mayo Clinic, 102 Second Ave.
1070 (1055)	Rochester, Minn. 55901
1979 (1955)	Fitz-Hugh, Glassell Slaughter, 1415 Blue Ridge Rd., Charlottesville, Va. 22903
1970 (1940)	Goodale, Robert L., 141 Argilla Rd., Ipswich,
	Mass. 01938
1963 (1928)	Goodyear, Henry M., 2012 Edgecliff Point,
1000 (1065)	Cincinnati, Ohio 45206
1980 (1965)	Hanckel, Richard W., Jr., 9 Valley Forge Drive, Nashville, Tennessee 37205
1980 (1957)	Harrill, James A., Bowman Gray School of
1700 (1707)	Medicine, Winston Salem, N.C. 27103
1978 (1960)	Harris, Herbert, 3457 Meadow Lake Lane,
10(0 (10 10)	Houston, Texas 77027
1968 (1942)	Heatley, Clyde A., 2500 East Ave., Rochester New York 14610
1978 (1959)	Henry, G. Arnold, #2 Group Box 24 Lagoon
22,10 (22,02)	City, RR #1, Brechin, Ontario, Canada LOK
	_1B0
1980 (1955)	Hilger, Jerome A., Suite 6A, 393 Dunlap St.,
1977 (1957)	St. Paul, Minnesota 55104 Holmes, Edgar M., 15 Graydale Circle,
19// (1937)	Auburndale, Mass. 02166
1961 (1950)	Kline, Oram R., 896 Lake Ave., Woodbury
	Heights, N.J. 08097
1977 (1963)	Lathrop, Frank D., R.F.D. No. 1, Pittsford,
1964 (1952)	Vermont 05763 McCall, Julius W., 22880 Canterberry Lane,
1904 (1952)	Shaker Heights, Ohio 44122
1980 (1963)	McGovern, Francis H., 139 South Main St.,
	Danville, Virginia 24541
1974 (1951)	McHenry, Lawrence C., 1607 Glenbrook
1070 (1021)	Terrace, Oklahoma City, Okla. 73116
1970 (1931)	McNally, William J., 1509 Sherbrooke St., West, Montreal, Quebec, Canada
1978 (1957)	Munoz-MacCormick, Carlos Eduardo, 71
	DeDiego Ave., Santurce, Puerto Rico 00911
1971 (1953)	Murtagh, John A., 1198 A1A Apt. 240.
1081 (1059)	Hillsboro Beach, Pompano, Florida 33062
1981 (1958)	O'Keefe, John J., 111 South 11th St., Philadelphia, Pa. 19107
1976 (1951)	Priest, Robert E., 322 Medical Arts Bldg.,
	Minneapolis, Minn. 55402

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## **Emeritus Fellows (Continued)**

1980 (1951)	Putney, F. Johnson, 80 Barre St., Charleston, S.C. 13210
1972 (1956)	Richardson, John R., P.O. Box 52, Searsport, Maine 04974
1981 (1950)	Sanders, Sam H., 1286 Peabody Av., Memphis, Tenn. 38104
1977 (1958)	Simonton, Kinsey M., % Foster, Duxbury, Ma. 02332
1969 (1950)	Smith, Austin T., 382 Lakeside Rd., Box 28, Wynnewood, Pa. 19096
1981 (1961)	Suehs, Oliver W., 2805 Robbs Run, Austin, Texas 78703
1973 (1963)	Tolan, John F., 3419 47 Ave., N.E., Seattle, Wash. 98105
1961 (1941)	Viole, Pierre P., 241 South Windsor Blvd., Los Angeles, California 90004
1977 (1962)	Weaver, Delmar F., Medical Professional Bldg., Culpeper, Va. 22701
1975 (1953)	Work, Walter P., 172 East Paseo de Golf, Green Valley, Arizona 85614

Year Elected	ACTIVE FELLOWS
1974	Alford, Bobby R., 1200 Moursund, Houston, Texas 77025
1969	Andrews, Albert H., Jr., 122 S. Michigan Ave., Chicago, Ill. 60603
1962	Arnold, Godfrey E., 2500 N State St., Jackson, Mississippi 39216
1969	Ausband, John R., 1365 Clifton Road, Atlanta, Ga. 30322
1975	Bailey, Byron, J., Dept. of Otolaryngology, University of Texas Medical Branch, Galveston, Texas 77550
1970	Ballenger, John J., 723 Elm St., Winnetka, Ill. 60093
1963	Baxter, James D., 687 Pine Ave., West, Montreal, 112, Quebec, Canada
1975	Biller, Hugh F., Dept. of Otolaryngology, Mount Sinai Hospital, 100th St. & 5th Ave., New York, N.Y. 10029
1977	Blaugrund, Stanley M., 115 East 61st., New York, N.Y. 10021
1975	Boles, Roger, Dept. of Otolaryngology, University of California, San Francisco, California 94122
1955	Bordley, John E., Johns Hopkins Hospital, Baltimore, Maryland 21205
1959	Brewer, David W., 1100 E. Genessee St., Syracuse, N.Y. 13210
1976	Briant, Thomas D. R., St. Michael's Hospital, Chief Otolaryngology, 30 Bond St., Ontario, Canada

## **Active Fellows (Continued)**

1955	Brown, Lester Alexander, 490 Peachtree St., N.E., Atlanta, Georgia 30308
1963	Bryce, Douglas P., O.P.D. Toronto General Hospital, Toronto, Ontario, Canada
1979	Calcaterra, Thomas C., UCLA Medical Center, Los Angeles, CA 90244
1976	Cantrell, Robert W., Dept. of Otolaryngology, Univ. of Virginia Medical School, Charlottesville, Va. 22901
1968	Chandler, J. Ryan, 1700 N.W. 10th Ave., Miami, Florida 33136
1967	Cocke, Edwin W., Jr., Suite 1030, 920 Madison Ave., Memphis, Tenn. 38103
1964	Cody, Claude C., 7777 Southwest Freeway, Suite 820, Houston, Texas 77074
1971	Cohen, Seymour R., 1300 N. Vermont Ave., Los Angeles, Calif 90027
1957	Conley, John J., 211 Central Park West, New York, N.Y. 10024
1980	Cummings, Charles W., Dept. Otolaryngology, University of Washington, Seattle, Washington 98195
1960	Daly, John F., 16 North Brae Court, Tenafly, New Jersey 07670
1973	Dedo, Herbert H., University of California, San Francisco School of Medicine, Dept. of Otolaryngology, Room 495U, San Francisco, California 94122
1966	Devine, Kenneth D., Mayo Clinic, Rochester, Minn. 55901
1976	Doyle, Patrick John, 1081 Burrard, Vancouver, B.C., Canada
1973	Duvall, Arndt J., III, University of Minn., Medical School, Dept. of Otolaryngology, A605 Mayo Memorial Bldg., Minneapolis, Minn. 55455
1968	Farrior, Richard T., 505 DeLeon, Tampa, Florida 33606
1964	Fearon, Blair, 308 Medical Arts Bldg., Toronto 5, Ontario, Canada
1963	Ferguson, Charles F., P.O. Box 313, Osterville, Mass. 02655
1970	Frazer, John P., 601 Elmwood Ave., Rochester, N.Y. 14642
1977	Frederickson, John M., Medical Sciences Bldg., Rm. 7310, University of Toronto, Toronto, Ontario, Canada
1956	Friedberg, Stanton A., 1725 West Harrison St., Chicago, Ill. 60612
1977	Gacek, Richard R., Dept. of Otolaryngology, Upstate Medical Center, 750 East Adams St., Syracuse, N.Y. 13210
1981	Gates, George, 7703 Floyd Curl Dr., San Antonio, Texas 78284

## **Active Fellows (Continued)**

Active Fellows (Continued)			
1959	Goldman, Joseph L., 55 East 87 St., New York, N.Y. 10028		
1974	Hudson, William R., Duke University Medical Center, ENT-POP-3805, Durham, N.C. 27710		
1965	King, James T., Suite 206, W. Paces Ferry Professional Bldg., 3250 Howell Mill Rd., N.W., Atlanta, Ga. 30327		
1975	Kirchner, Fernando R., 155 South 18th St., #270, Kansas City, Kansas 66102		
1963	Kirchner, John A., 333 Cedar St., New Haven, Conn. 06510		
1979	Krause, Charles J., University Hospital, Ann Arbor, Michigan 48109		
1981	Lawson, William, 19 East 98th St., New York, New York 10029		
1979	LeJeune, Francis E., Jr., 1514 Jefferson Highway, New Orleans, LA 70121		
1966	Lewis, John S., 3 East 71 St., New York, N.Y. 10021		
1961	Lewy, Robert B., 25 East Washington St., Chicago, Ill. 60602		
1976	Lingeman, Raleigh E., 1100 W. Michigan St., Indianapolis, Ind. 46202		
1973	Loré, John M., Jr., 2121 Main St., Seaton Prof. Bldg., Buffalo, N.Y. 14214		
1978	Lyons, George D., 120 N. Jefferson Davis Parkway, New Orleans, La. 70119		
1966	McCabe, Brian F., Dept. of Otolaryngology, University Hospitals, Iowa City, Iowa 52240		
1976	Miglets, Andrew W., Jr., 456 Clinic Drive, Room 4118, Columbus, Ohio 43210		
1952	Miller, Alden H., 1407 N. Vermont Ave., Los Angeles, Calif. 90027		
1965	Miller, Daniel, 110 Francis St., Boston, Mass. 02215		
1964	Montgomery, William W., 243 Charles St., Boston, Mass. 02114		
1972	Morse, Harry R., 645 Powell Drive, Fort Walton Beach, Florida 32548		
1979	Myers, Eugene N., Dept. Otolaryngology, 230 Lothrop Street, Pittsburgh, PA 15213 Nahum, Alan M., 225 West Dickinson, San		
1975	Diego, California 92103		
1981	Neel, H. Bryan III, 200 First St., S.W., Rochester, Minnesota 55901		
1980	Nichols, Richard D., Henry Ford Hospital, 2799 W. Grand Blvd., Detroit, Michigan 48202		
1956	Norris, Charles Morgan, 3401 North Broad St., Philadelphia, Pa. 19140		
1961	Ogura, Joseph H., Dept. of Otolaryngology, Washington University School of Medicine, 517 S. Euclid, St. Louis, Missouri 63110		
1961	Pang, Lup Q., 1374 Nuuanu Ave., Honolulu, Hawaii 96817		

## **Active Fellows (Continued)**

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1961	Pastore, Peter N., 5503 Riverside Drive, Richmond, Va. 23225
1972	Pennington, Claude L., 800 First St., Macon, Ga. 31201
1967	Pratt, Loring W., North Bldg., 325-B Kennedy Memorial Drive, Waterville, Maine 04901
1963	Reed, George F., 750 E. Adams St., Syracuse, N.Y. 13210
1974	Ritter, Frank N., 2675 Englave Drive, Ann Arbor, Michigan 48103
1981	Sasaki, Clarence T., 333 Cedar Street, New Haven, Connecticut 06510
1964	Saunders, William H., The Ohio State University, Room 3110, 456 Clinic Drive, Columbus, Ohio 43210
1978	Sessions, Donald G., 1960 Grassy Ridge Road, Kirkwood, Missouri 63122
1979	Shapiro, Myron J., 349 East Northfield Road, Livingston, N.J. 07039
1962	Sisson, George A., Northwestern U. Medical School, 303 Chicago Ave., Chicago, Ill. 60611
1964	Skolnik, Emanuel M., Abraham Lincoln School of Medicine, University of Illinois, 1855 W. Taylor St., Chicago, Ill. 60612
1974	1855 W. Taylor St., Chicago, Ill. 60612 Snow, James B., Jr., 3400 Spruce St., Philadelphia, Pa. 19104
1972	Soboroff, Burton J., 307 N. Michigan Ave., Chicago, Ill. 60601
1973	Som, Max L., 121 East 60 St., New York, N.Y. 10022
1954	Sooy, Francis A., University of California Hospital, 3rd and Parnassus Ave., San Francisco, California 94122
1979	Spector, Gershon J., Dept. Otolaryngology, 517 South Euclid, St. Louis, Missouri 63110
1975	517 South Euclid, St. Louis, Missouri 63110 Sprinkle, Philip Martin, West Virginia University Medical Center, Division of Otolaryngology, Morgantown, West Va. 26505
1975	Strong, M. Stuart, 720 Harrison Ave., Boston, Mass. 02118
1963	Tabb, Harold G., Dept. Otolaryngology, Tulane Medical School, New Orleans, LA 70112
1979	Tardy, M. Eugene, 2913 N. Commonwealth, #430, Chicago, Ill. 60657
1954	Thornell, William C., 2328 Auburn Ave., Cincinnati, Ohio 45219
1978	Toomey, James M., 550 N. Main St., Attleboro, Massachusetts 02703
1967	Trible, William MacL., 1234 19 St., N.W., Washington, D.C. 20036
1970	Tucker, Gabriel F., Jr., The Children's Memorial Hospital, 2300 Children's Plaza, Chicago, Ill. 60614

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#### **Active Fellows (Continued)**

1070

919	Tucker, Traivey W., Dept. Otolary igology,
	Cleveland Clinic, Cleveland, Ohio 44106
973	Tucker, John Anwyl, Hanemann Hospital, 230
	N. Broad St., Philadelphia, Pa. 19102
980	Vrabec, Donald P., Dept. Otolaryngology,
	Geisinger Med. Center, Danville, Pa. 17821
974	Ward, Paul H., UCLA School of Medicine,
	Head & Neck Surg., Divn., 62-215 Center
	for the Health Sciences, Los Angeles,
	California 90024
971	Williams, Russell I., 414 East 23rd St.,
	Cheyenne, Wyoming 82001
951	Woodman, DeGraaf, P.O. Box 560, Easton,
	Md., 21601
981	Yanagiswa, Eiji, 98 York Street, New Haven,
	Connecticut 06511
	973 980 974 971 951

#### RECIPIENTS OF THE DE ROALDES AWARD

1928 Chevalier Jackson	1959	Albert C. Furstenberg
1931 D. Bryson Delavan	1960	Dean M. Lierle
1934 Harris P. Mosher	1961	Frederick T. Hill
1937 Lee Wallace Dean	1966	Paul H. Holinger
1943 Ralph A. Fenton	1970	Francis E. LeJeune
1949 George M. Coates	1973	Lawrence R. Boies
1951 Arthur W. Proetz	1976	Anderson C. Hilding
1954 Louis H. Clerf	1979	Joseph H. Ogura

## Conly. CASSELBERRY AWARD

The Casselberry Award has been established to encourage the advancement of the art and science of Larvngology and Rhonology. The award is given for outstanding theses or accomplishments in Laryngology and Rhinology and consists of a suitable sum of money and a certificate of the Association. Theses must be submitted to the Secretary before November 1 of any year. Further information regarding the award may be obtained by writing to the Secretary.

#### RECIPIENTS OF THE CASSELBERRY AWARD

- 1923 George Fetterolf and Herbert Fox
- 1928 Ralph A. Fenton and O. Larsell
- 1929 Richard A. Kern and Harry P. Schenck
- 1929 Edward H. Campbell
- 1931 Arthur W. Proetz
- 1934 Anderson C. Hilding
- 1936 Francis E. LeJeune
- 1936 Joel J. Pressman
- 1939 H. Marshall Taylor 1939 Brien T. King
- 1940 French K. Hansel
- 1941 Noah D. Fabricant
- 1946 Paul H. Holinger
- 1949 Henry B. Orton
- 1962 Hans von Leden 1966 John A. Kirchner and Barry D. Wyke
- 1968 Joseph H. Ogura

#### RECIPIENTS OF THE NEWCOMB AWARD

1942 Francis R. Packard

1943 George M. Coates

1944 Charles J. Imperatori

1947 Harris P. Mosher

1948 Gordon Berry

1949 Gordon B. New

1950 H. Marshall Taylor

1951 John D. Kernan

1952 William J. McNally

1953 Frederick T. Hill

1954 Henry B. Orton

1955 Thomas C. Galloway

1956 Dean M. Lierle

1957 Gordon F. Harkness

1958 A. C. Furstenberg

1959 Harry P. Schenck

1960 Joel J. Pressman

1961 Chevalier L. Jackson

1962 Paul H. Hollinger

1963 Francis E. Le.Jeune

1964 Fred W. Dixon

1965 Edwin N. Broyles

1966 Lyman G. Richards

1967 Joseph H. Ogura

1968 Walter P. Work

1969 John A. Kirchner

1970 Louis H. Clerf

1971 Daniel C. Baker, Jr.

1972 Alden H. Miller

1973 DeGraaf Woodman

1974 John J. Conley

1975 Francis W. Davison

1976 Joseph L. Goldman

1977 F. Johnson Putney

1978 John F. Daly

1979 Charles F. Ferguson

1980 Charles M. Norris

1981 Stanton A. Friedberg

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