



The Sesquicentennial of the American Ophthalmological Society

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OUR MISSION CONTINUES

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Editor of Photography

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This book is dedicated to

*Charles “Pat” Wilkinson, MD, 17th Secretary-Treasurer,
and Thomas J. Liesegang, MD, Dr. Wilkinson’s successor
and the first Executive Vice President
of the American Ophthalmological Society*

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The First 125 Years: 1864–1989

WHAT'S PAST IS PROLOGUE: THE SESQUICENTENNIAL OF THE AMERICAN OPHTHALMOLOGICAL SOCIETY

The American Ophthalmological Society (also, in this book, referred to as the AOS or the Society) played a critical role in the development of American ophthalmology; however, before we expand upon the Society's role and put it into perspective, we must first look briefly at how ophthalmology came to exist in America and Europe.

In his *Evolution of Modern Medicine*,¹ Sir William Osler suggests that medicine had its origins in Neolithic times, as evidenced by trephine skull perforations found in prehistoric human remains and also shown in cave paintings. Furthermore, we have evidence that as long as medicine has been practiced, “doctors” have treated eye disease. Until the 14th and 15th centuries, medicine was based on “traditional authority” (i.e., some prominent figure in the past who said something was so). Then, with the explosion of scientific progress and the introduction of evidence-based medicine, specialization began to develop, and the barber-surgeon emerged as one of the most common medical practitioners of medieval Europe. This generally undistinguished apprentice-trained group assumed responsibility for surgical procedures, including the couching of cataracts and other eye surgeries, while the more prestigious group of physicians with scholarly university doctoral degrees pursued the nonsurgical aspects of medicine. By the 18th century, this distinction between surgeons and physicians had become blurred. Regularly trained physicians

1 Osler, W. (1921). *The evolution of modern medicine; a series of lectures delivered at Yale University on the Silliman Foundation in April, 1913* (page 7). New Haven, CT: Yale University Press.

could take several additional years of surgical training and become “general surgeons.”

The birth of ophthalmology as a separate discipline within medicine occurred as a result of four more or less widely spaced events in the 18th, 19th, and 20th centuries:

1. The treatment of cataract by lens extraction in France in 1745
2. The trachoma-pandemic in the British Isles that began in 1803
3. The invention of the ophthalmoscope in 1850, and
4. The involvement of the United States in World War I.

These resulted in the establishment of ophthalmology as a profession in Europe, the British Isles, and the United States, respectively.

In 1745, Jacques Daviel devised the modern method of treating cataract by lens extraction. This new operation required greater surgical skill, new and refined instruments, and an understanding of the surgical anatomy of the eye. Its success sounded the death knell for the itinerant couchers of lenses. With the acceptance of Daviel’s procedure, ophthalmology emerged as a surgical subspecialty in Europe.

In England, the leading surgeons of the day adopted Daviel’s technique of cataract extraction. Yet the prejudice against irregularly trained “oculists,” the descendants of the old barber-surgeons, was so great that there was reluctance among physicians to limit their practice to the eye, lest their reputation be tarnished. The critical event leading to the acceptance of ophthalmology as a legitimate specialty in the British Isles occurred during the Napoleonic Wars. After the evacuation of Egypt by the English in 1803, the returning troops spread a mixed infection of purulent ophthalmia and trachoma throughout the nation. This immense escalation in the amount of eye disease occurring in Great Britain overwhelmed the existing physicians and institutions. The medical establishment and the government acknowledged the lack of competently trained physicians and institutions for the treatment of eye disease. Moorsfield Hospital opened in 1805, followed by other eye institutions throughout the country. Subsequently, ophthalmology became an accepted and eventually respected part of the medical community.

In the United States, the evolution of ophthalmology as a specialty was even slower than in Britain. By the mid-19th century the leading general surgeons, including D. Hayes Agnew at the University of Pennsylvania and Samuel D. Gross at Jefferson, refused to relinquish the practice of ophthalmology as part of general surgery. With the introduction of Helmholtz’s ophthalmoscope in 1850, things

began to change. The degree of training, patience, and skill it took to master the use of the primitive ophthalmoscope, which required the use of light from a candle or gas lamp, exceeded the ability of most practicing physicians. Simultaneously, cataract extraction supplanted couching as the operation of choice for cataracts.

This was the setting in 1864 when two young active ophthalmologists, Dr. Hasket Derby of Boston and Dr. Henry D. Noyes, decided to found the American Ophthalmological Society. Their major challenge was the limited number of well-trained, competent ophthalmologists to be found in the United States. As it was, the AOS had only 19 members at its onset.

The final act in the establishment of ophthalmology as a medical specialty in the United States did not occur, however, until 1916. By that year, the AOS had grown to 199 members, but these individuals were not representative of American ophthalmologists. Ophthalmology was becoming a popular specialty, yet there were no standards regarding training, qualifications, or competency. Increasing numbers of general practitioners became ophthalmologists by taking a graduate hospital course of a few weeks or a couple of months, a brief preceptorship in the office of a practicing ophthalmologist, or a combination of the two. The low levels of ophthalmic competency became painfully apparent in 1914 when it was discovered that ophthalmic specialists who volunteered or were drafted into the armed medical services gave unsatisfactory care to soldiers with eye injuries. In response, the AOS played a leading role in founding the American Board of Ophthalmology in 1916, the first American Board, which established high standards for the training and practice of ophthalmology, now truly established as a respected medical specialty in the United States.

Now that we have discussed the origins of ophthalmology, let us look more closely at the founding of the AOS itself. The catalyst for the formation of the AOS, strangely enough, appears to have been a bitterly despised German immigrant who signed himself Dr. Julius Homberger, Oculist. Dr. Hasket Derby described the situation as follows:

The actual founder of the Society [American Ophthalmological Society] was Dr. Julius Homberger, as I used laughingly to assert, to Dr. Noyes' great indignation. About 1862 a peripatetic German adventurer of this name came to N.Y. to engage in ophthalmic practice, and started a magazine of ophthalmology. After a few numbers this probably fell still-born, but while it lasted it disgusted reputable ophthalmologists and the meeting called by Dr. Noyes, after consultation with me, was really to concert measures for the establishment of a magazine that should be respectable. Eight of us came together at Dr. Noyes' office in Fourth Avenue, and after well weighing the matter, decided that a society would

be a better thing to found than a magazine. So, we issued a call for a meeting and held it (the first) June 7, 1864. Thus we were originated. Whatever became of Homberger I have no means of knowing. The Germans have a word “verschollen” which probably applies to him.²

The subsequent history of the AOS has been well documented in numerous sources throughout the years. These include a section in Julius Hirschberg’s *The History of Ophthalmology* (1918), Thomas Hall Shastid in the *American Encyclopedia of Ophthalmology* (1917, Volume 11), and Alvin A. Hubbell’s *The Development of Ophthalmology in America: 1800 to 1870* (1908). Harry Friedenwald wrote a history of the Society’s first 75 years in the *Transactions of the AOS* (1939). At the centennial meeting in 1964, Maynard Wheeler distributed his book titled *The American Ophthalmological Society: The First Hundred Years*. In 1989, the AOS published Frank W. Newell’s outstanding *The American Ophthalmological Society 1864–1989: A Continuation of Wheeler’s First Hundred Years* to commemorate the Society’s 125th anniversary. Newell also published a summary of that history in the *Transactions of the American Ophthalmological Society* in 1989. That summary is republished below and will serve as an introduction to the present sesquicentennial volume.

The American Ophthalmological Society: The First 125 Years, by Frank W. Newell³

On Tuesday, June 7, 1864, at 2^{1/2} o’clock, 18 physicians met at the New York Eye and Ear Infirmary, 13th Street and 2nd Avenue, to establish the American Ophthalmological Society. Freeman J. Bumstead, now recognized as the “Father of American Urology,” called the meeting to order. He nominated the 70-year-old Edward Delafield as chairman. Delafield was president of the College of Physicians and Surgeons and founder, in 1820, of the New York Eye and Ear Infirmary. Henry Noyes, aged 32 years, in whose office a preliminary meeting was held in January, was named secretary. John Hinton, recording secretary of the New York Academy of Medicine, moved that a committee be named to write a constitution and by-laws.

2 Snyder, C. (1967). “Julius Homberger.” In C. Snyder (Ed.), *Our ophthalmic heritage* (page 60). Boston, MA: Little Brown.

3 Newell, F. W. (1989). “The American Ophthalmological Society: The first 125 years.” *Transactions of the American Ophthalmological Society*, 87, 47–56. (The article is republished here in its entirety except for the second paragraph, which has been removed and indicated by an ellipsis for stylistic purposes.)

Shortly thereafter the committee consisting of Dr. Bumstead, Dr. Hasket Derby of the Massachusetts Eye and Ear Infirmary, and Ezra Dyer of Philadelphia provided the document the group adopted. They then adjourned (the American Medical Association was meeting at nearby Irving Hall) to meet the next day to hear a paper by John Homer Dix, of Boston, who had limited his practice to diseases of the eye in 1843. Thus began the Society whose heritage is celebrated this year.

...

The historian of the Society is fortunate in several ways. We have been served by 15 dedicated secretaries who have maintained minutes and the names and addresses of members. From 1865 until 1929, when the editor of the *Transactions* became an elected officer, the secretary edited and published the *Transactions* of the Society. One cannot possibly overestimate the contributions of the recording secretary when the Society was formed and now the secretary-treasurer to the success and the continuity of the Society.

The contributions of the editor of the *Transactions* complements those of the secretary-treasurer, and these two officers are mainly responsible for the continuity of the history of the Society. Conversely, the historian is frustrated because the Society had no central archives. Thus, material of historical interest is scattered among the New York Academy of Medicine, the National Library of Medicine, and various hospitals and universities. Oftentimes the material is filed under the member's name. There are no copies of the different constitutions and by-laws adopted between 1885 and 1930. Although the notes that Friedenwald used to prepare his history are available at the National Library of Medicine, I have not been able to locate Wheeler's working notes or the original typescript of his book. As you might guess, I strongly urge the appointment of an archives committee to preserve the documents of the Society. Such an archives committee should be separate from the committee on the museum of ophthalmic history. The Society cannot depend upon another organization, however distinguished and well meaning, to provide the preservation and archival services required.

The history of the Society may be divided into two major periods, from its origin in 1864 to 1913 (the period known as the Gilded Age of American history) and from 1914 to the present. The 1914 meeting marked the 50th anniversary of the Society but the record does not indicate that it was noted with any special ceremony. From this meeting, however, emerged the Society much as we know it today. It was the first time that the Society met at the Homestead and in the 75 years since then we

have gathered here 49 times. A new constitution was adopted at the 1914 meeting and although no copies have been found, the record indicates that the Council was formed as the governing body with a term of membership of five years and the president appointing the new member each year. The Council became the membership committee, the nominating committee, and the committee to recommend the time and place of each meeting. Requirement of a thesis was adopted for membership, and a thesis committee was named on which each committee member serves for a term of three years. The president appoints a new member to replace the retiring member each year. A program committee was formed with a program chairman named by the president. Although the president is responsible for these important appointments, the senior member of the Council presides at the Council meetings, and with the secretary-treasurer is responsible for the management of the Society between meetings. Since 1914 there have been only minor changes in the governance of the Society. The position of editor of the *Transactions* was added in 1929, and since 1950 an assistant editor has served intermittently to aid in the transition of the position. The Howe Medal committee was designated in 1920 and in 1925 became a traditional committee with a three-year term for each member and a new appointee each year.

During its first 40 years, the Society was dominated by three leaders: Edward Delafield, the first president; Henry Noyes, the first recording secretary, editor of the *Transactions*, and fourth president; and John Green, chairman of the membership committee from 1868 to 1906.

Thanks to Noyes' notes as recording secretary we have a detailed narration of the first days of the Society. Most of these notes are recorded in the published minutes but they have been edited (and did not appear in the *Transactions* of 1867 and 1868 although printed in the *American Medical Times*). The handwritten minutes preserved at the library of the New York Academy of Medicine are more revealing and indicate more clearly the questions that confronted the new society.

Edward Delafield was elected president of the Society at the first meeting June 7, 1864. He did not attend the initial organizational meeting held at Noyes' office Jan. 9, 1864. At the time of his election Delafield was one of the most prominent and respected physicians in the nation. Born in 1794, he graduated from the College of Physicians and Surgeons of New York and studied in London with Astley Cooper, William Lawrence, and Benjamin Travers. Delafield, together with John Kearny Rodgers, founded the New York Eye and Ear Infirmary in 1820 and after a series of different buildings saw it housed in a first-class structure at 13th Street and

Second Avenue. He founded the Society for the Relief of the Widows and Children of Medical Men. After its annual dinner meeting, at which he presided in 1846, the New York Academy of Medicine was proposed and formally established the next year. Delafield chaired the abortive meeting that attempted to form the American Medical Association in 1846. In 1864 he was president of the College of Physicians and Surgeons, attending physician at New York Hospital, and consulting surgeon at the New York Eye and Ear Infirmary.

Henry Noyes was the guiding spirit who led the establishment of the Society. The organizational meeting in January 1864 was held in his office and he was named secretary of that meeting as well as of the Society when it formed in June of that year. He was recording secretary until 1874. A motion was approved in 1874 that the secretary prepare a history of the founding of the Society and an index to the *Transactions* for the years 1865 to 1874. Noyes performed these services but also submitted his resignation as recording secretary. He was named president in 1879 and served for six years, the longest period of any president.

John Green played a seminal role in the first decades of the Society. He was named to the committee on membership in 1868. Thereafter, the committee dominated the affairs of the Society. The committee served as the nominating committee, the membership committee, the ethics committee, and occasionally as the executive committee. Green served from 1868 to 1905. Between 1882 and 1904 the committee of five had only nine different members. Green was a skilled parliamentarian and maintained leadership until 1905 when a youthful Lucien Howe proposed, and the Society adopted, a motion limiting terms on the membership committee to five years with a new member appointed annually. Green never attended another meeting and submitted his resignation in 1906 but instead was elected vice president. The next year he insisted that his resignation be accepted, refused to become president and was elected an honorary member. His son, John Jr., became a member five years after he died and served as 44th president in 1940.

In 1907, as chairman of the Section on Ophthalmology of the American Medical Association, Alvin Hubbell described American ophthalmology between 1800 and 1870. He published this in book form and while he was correcting galley proofs Hasket Derby, a Founder, wrote to him that the Society was really founded to counter the first series of the *American Journal of Ophthalmology* edited by Julius Homberger, which appeared in 1862. The story has persisted, for Homberger chaired a committee on specialists of the American Medical Association and strongly advocated advertising. Homberger requested to resign from the AMA, his request was

refused, and he was subsequently expelled from the AMA. Derby related that his statement that Homberger was the real founder of the Society drew great indignation from Noyes. This seems likely since countering the publication of a young immigrant specialist was a poor reason for the formation of a major Society. Fortunately the Society began to publish a *Transactions* so that today there is a rich record to be mined by the historian.

The steps that led to the publication of a *Transactions* are not known. At the first meeting the first scientific paper, by John Dix of Boston, was referred to a committee on publication. Such a committee was immediately appointed. The first meeting was not reported but beginning with the second meeting a *Transactions*, bound in paper covers, appeared. It was printed in New York City and included minutes and papers read at the 1865 meeting. After 1874 the annual proceedings were bound together to form volumes. The requirement of theses for membership in 1914 led in 1917 to the appearance of the annual volumes as we know them today. Unquestionably, the *Transactions* did much to establish the continuity of the Society.

The recording secretary, subsequently designated the secretary-treasurer, was responsible for editing the *Transactions* (and apparently also for arranging the typesetting, and printing, correcting the proofs, correspondence with authors, and distribution) from 1865 onward. In 1925 Thomas Holloway who had been secretary-treasurer since 1919 recommended that the committee on publication be responsible for the *Transactions*. The Council approved but named Holloway to the committee in charge of editing. Finally in 1928 the constitution was amended so that the editor became an elected officer. Since then there have been nine editors of the *Transactions*. J. Martin Griscom and Thomas P. Kearns served as both editor and secretary-treasurer.

At the 1868 meeting D.B. St. John Roosa moved that the name of the Society be changed to the American Ophthalmological and Aural Society. There was extended debate but the motion finally failed because there was too limited a time at the Annual Meeting to consider both ophthalmology and otologic surgery. The next day the American Otological Society was formed by many of the members who had attended the ophthalmologic meeting. Thereafter until 1911 the meetings of the two Societies were contiguous and eight members of the American Ophthalmological Society have served as president of the American Otological Society. By 1911 the interests of the two groups had diverged and they ceased meeting at the same location. The Congress of American Physicians and Surgeons brought together the members of the senior societies for a joint meeting in Washington, D.C., every three

years. The meetings were well attended but interest in the group waned and the Society withdrew after the 1933 meeting. The Congress stopped operation in 1938.

The Society met at the New York Eye and Ear Infirmary in 1864 and 1865. In 1866 they met at the Massachusetts Eye and Ear Infirmary and on the second and final day at the Boston City Hospital in deference to Henry Williams. Thereafter, possibly to avoid sectional differences, the Society met at locations distant from special eye hospitals. In 1867 the meeting was held in Niagara Falls at the appropriately named Cataract House. Except for meetings in Washington, D.C., with the Congress of American Physicians and Surgeons, the Society did not meet in a large city until 1938 when the members met at the Mark Hopkins in San Francisco at the time of the meeting of the American Medical Association. Again in 1946 the meeting was in San Francisco but the attendance was poor and the number of guests registered exceeded the number of members. Since then the Society has never met in a metropolitan center.

The Society met in Niagara Falls in 1867 and the next 11 regular meetings were held in Newport. This was neutral ground between New York and Boston and there was comfortable steamboat service from New York. Newport was so popular that a proposal that it become the permanent meeting site was narrowly defeated. Meetings were held in New London on 17 occasions.

Attendance at the early meeting required arduous travel by the Western members. John Green, Jr., of St. Louis, who did not miss a meeting in 37 years, required at least 36 hours to travel between St. Louis and Newport or New London to attend the Annual Meeting. Edward Jackson, of Denver, strongly urged meetings in the west but a mail ballot failed in 1913 as did an amendment that would have permitted members living west of the 90-degree latitude to miss meetings without submitting an excuse. The 1921 constitution permitted members living more than 1,000 miles from the meeting to miss meetings without an excuse but it was not mentioned in the 1930 constitution. The meetings at Niagara Falls or the Homestead saved a full night's travel for the Westerners. The Society met for the first time in the West in 1923 at the Broadmoor in Colorado Springs. Today the Council is committed to meeting in the West every three or four years. The disappearance of convenient rail service makes many distant localities more easily accessible by air than the traditional meeting places.

From 1864 until 1922 the meetings lasted two days and the scientific program fully occupied the time. A typical session met at 10 AM, 4 PM, and 8:30 PM on the first day and at 9 AM the second day. Members who wished to speak submitted their

titles to a "committee on bulletin" that arranged the order of the papers. A formal program was not published. With the 1923 meeting at the Broadmoor the meeting was extended to three days and the number of papers decreased. Since 1953 there have been either 20 or 21 papers. In 1882 the time allowed for reading a paper was limited to 20 minutes. In 1905 this time was reduced to 15 minutes, where it remains today. Since 1982 a discussant of a paper has five minutes initially and three minutes for each subsequent discussion. There is no limit on the number of times the same individual may discuss a paper. The author has five minutes to close the discussion.

Harry Friedenwald, assisted by Louis Greene, compiled a list of authors of papers published in the *Transactions*; this list was extended by Wheeler. (I have not been able to locate Wheeler's notes, which he cites in his book.) The lists may not be entirely accurate because papers were published by authors who were not present at the meeting between 1865 and 1873. Thereafter, papers may have been published that were read by title, although the author was present. Wheeler found that Edward Jackson and George de Schweinitz each are listed as the author of 47 papers with Henry Noyes listed as the author of 46. John Green, Sr., read seven papers at the 1880 meeting. Herman Knapp gave five in 1870 and 1873.

There is no indication when the athletic program started – perhaps the afternoon of the second day provided time, or possibly in 1923 when the three-day program originated. When the Society met at the Seignior Club, Quebec, in 1934, two Canadian members, Frederick Tooke and Gordon Byers, donated the Canada Cup for the winner of the golf tournament. Since then many of the tournaments have included spouses. Bridge, tennis, fishing, bowling, and many other activities have been added.

On June 7, 1864, seven physicians who had been invited to the meeting, but were unable to attend, were elected members. Thereafter two members submitted the names of candidates to the committee on membership that recommended the names to those attending the meeting for secret balloting. Approval of three-quarters of those present was required for membership. In 1878 nomination was made and the committee on membership reported at the meeting the next year with balloting following. Before the meeting the secretary circulated the names of the candidates. In 1913 George de Schweinitz, chairman of the committee on membership, discussed the qualifications for membership and in 1914 a thesis was required and a committee on theses appointed.

In 1868 the Society adopted an amendment to the constitution: "No member shall attach to his name in any public manner the title of 'oculist' or any similar title

or shall announce in print that he gives special or exclusive attention to special practice.” For the next 60 years this provision dominated the attention of the committee on membership and subsequently the Council. In 1869 a Founder was expelled after a floor debate because he insisted that he would continue to list his name as devoting special attention to eye diseases in a city directory.

Subsequently, another Founder resigned as did several members elected at early meetings. Wheeler details the discussions included in the handwritten minutes of the secretary that are not mentioned in the published minutes. The constitution of 1921 is cited in the 1926 minutes, “No member shall attach or suffer to be attached to his name, in any public manner, the title ‘oculist’ or any similar title, or shall make public announcement by a sign in print that he gives special or exclusive attention to special practice, save only as this affects the directory of the AMA or similar professional directories.” The Council recommended deletion of this amendment but the proposal was defeated in 1927. Finally in 1929 the members voted to eliminate this requirement and the membership application of 1930 does not mention it. The vigor with which this requirement was policed for 67 years reflects the debate concerning special practice that started with the formation of the Society. Specialties were the topic of a special evening session in 1866 that featured a paper by Henry Noyes and a long discussion.

Beginning at least in 1920, certification by the American Board of Ophthalmology was required of every candidate although this requirement is not mentioned in the 1930 constitution. Active members though were slow to respond and Wheeler records that 76 members were not certified in 1928. One original member of the American Board was never certified, although only an application was required.

In 1879 there were 73 members and a motion to limit membership to 80 was defeated. In 1893 the number of members was limited to 150 and this number was increased to 175 in 1901 and to 200 in 1906. The 1926 minutes mention a limit of 225 members and this number has continued. In 1921, emeritus members were mentioned in the minutes and possibly the class of members was established in the 1921 revision of the constitution and by-laws. The requirements for emeritus membership have changed over time. Currently 20 years of membership is required.

Some 805 physicians have been regular or honorary members of the Society. Of this number some 49 percent practiced in the states of New York, Massachusetts, or Pennsylvania, the states of origin of the Founders. In the most recent 25 years the Society elected 194 new members that included 25 each from California and New York, 20 from Maryland, 17 from Pennsylvania, and 12 from Massachusetts.

Ninety-five new members were elected from 27 other states, Puerto Rico, and Canada. There were no members named from 18 states.

One curiosity of the Society has been the eagerness with which some have sought membership coupled with a reluctance to attend meetings. Many of the early meetings were attended by less than one half the members. In 1895 an amendment to the by-laws called for forfeiture of membership if three meetings were missed without a valid excuse. Despite this requirement Wheeler states that 27 members never attended a meeting and that H. W. Bradford of Boston joined the Society in 1881, became emeritus in 1923, and died in 1927 without ever attending a meeting.

The Society has one major award, the Howe Medal, donated in 1919 by the 23rd president, Lucien Howe. The first recipient, Carl Koller, was the discoverer of cocaine as a topical anesthetic. This was the first public recognition of his discovery and came some 37 years after a friend described its effectiveness for him at the 1884 Heidelberg Ophthalmogische Gesellschaft. Derrick Vail⁵ wrote that he thought Howe originated the award to honor Koller. Howe also donated other awards conferred by the Medical Society of the State of New York, The American Medical Association, The University of Buffalo and The Buffalo Ophthalmological Society. Arthur Bedell was awarded the New York State medal on five occasions, and also received the Prize Medal of the Section of Ophthalmology and the Howe Medal of the Society. Between 1922 and 1944 the Society awarded the Howe Medal only 11 times. Four of the recipients were from abroad. Since 1945 the Medal has been awarded annually and there has been no foreign recipient named since Sir Stewart Duke-Elder in 1946.

The Society has elected 21 individuals to honorary membership. Six were named at the first meeting: four Bostonians associated with the Massachusetts Eye and Ear Infirmary, Isaac Hays, America's preeminent medical director and a founder of Wills Eye Hospital, and George Wilkes, a consulting surgeon of the New York Eye and Ear Infirmary, and a contemporary of Edward Delafield. Two years later Karl Schweigger, who subsequently became professor of ophthalmology in Berlin, was named. The next such election was in 1898 when Edward L. Holmes, founder of the Illinois Eye and Ear Infirmary, was named.

Four of the Founders were elected to honorary membership between 1901 and 1928 (Sprague, Prout, Jeffries, and Carmalt). John Green was elected in 1907, after he refused to accept the nomination to be president. Herman Knapp was named in 1910 when he retired from practice. Three distinguished British ophthalmologists were named honorary members: Traquair, Mann, and Duke-Elder. Two who served as president were named: Frederick Verhoeff and Arnold Knapp. There have

been named two non-ophthalmologists who made major contributions to ophthalmology: Harvey Cushing and Lorenz Zimmerman.

The formation of the Section of Ophthalmology and Otolaryngology of the American Medical Association in 1879 and the American Academy of Ophthalmology and Otolaryngology in 1896 established two organizations that encompassed the entire spectrum of eye, ear, nose, and throat practice. The joint committees of the Section, the Academy, and the Society provided strong leadership in initiative in defining and solving problems in medical education and public health and making consultation available to governmental and philanthropic groups and health agencies.

Much was accomplished:

Routine Credé prophylaxis for ophthalmia neonatorum.

Delineation of the training required for special practice.

Development of certification by American Specialty Boards.

Adequate treatment of trachoma among American Indians.

Creation of the Advisory Council of Medical Specialty Boards.

Support to establish the International Council of Ophthalmology and to continue the International Congresses of Ophthalmology.

Formation of the Council on Optics and Visual Physiology.

Formation of the Orthoptic Council.

In retrospect, these are all worthy endeavors but many efforts strongly involved state and federal legislation and stimulated strong partisanship. The American Medical Association dissolved its Section structure in the early 1970s and no longer has the broadly based membership and forum of its earlier years. The Academy became solely ophthalmic in 1979 and now provides an umbrella structure for a large number and wide variety of state and national organizations. These changes combined with continuing major changes in the practice of ophthalmology have resulted in the Society having a minimal role in medical and social policies affecting the Nation. Yet, its members are active in other medical societies and play prominent roles in their legislative, political, and medical activities. Today the Society faces the question that asks if it must change to continue to fulfill its objectives as defined in the constitution of 1864, the “advancement of ophthalmic science and art.”

2

Vision and Mission of the AOS and the Challenges They Present

The vision and mission of the AOS was clearly stated at its first meeting in 1864, when the Founders adopted the constitution of the Society. It was eloquent in its simplicity: “The purpose of this Society shall be the advancement of Ophthalmic Science and Art.”⁴

One hundred and twenty-five years later at its quasiquicentennial celebration, Frederick C. Blodi delivered the tenth Verhoeff Lecture and stated in his conclusion: “...we find the Society healthy and flourishing. May it continue as an association of the most prominent and promising American ophthalmologists who consider the practice of our specialty a scholarly profession and not a mercenary trade.”⁵ Frank Newell in the history published that same year, sounded a more cautionary note: “Today the Society faces the question that asks if it must change to continue to fulfill its objectives as defined in the constitution of 1864, the ‘advancement of ophthalmic science and art.’”⁶

A review of the Council minutes from the last 25 years gives clear evidence of the extent to which the AOS has striven to maintain its relevance, prominence, and prestige. At a Strategic Planning Retreat held in 2001, the mission statement was expanded as follows: “The mission of the American Ophthalmological Society is to promote excellence in patient care, education, and research, to address essential issues in medicine, and to advance the art and science of ophthalmology.”⁷

4 Newell, F. W. (1989). *The American Ophthalmological Society 1864–1989: A continuation of Wheeler’s First hundred years* (page 483). Rochester, MN: Published for the American Ophthalmological Society by Johnson Printing Company.

5 Blodi, F. C. (1989). “The tenth Frederick H. Verhoeff Lecture. What else did 1864 contribute to ophthalmology?” *Transactions of the American Ophthalmological Society*, 87, 213–300.

6 Newell, F. W. (1989). “The American Ophthalmological Society: The first 125 years.” *Transactions of the American Ophthalmological Society*, 87, 47–56, 56.

7 S. Moss, personal communication, August 28, 2012.

Other recommendations made at that retreat, which have been subsequently acted upon, are as follows:

- To streamline and update the thesis requirement for membership to “clearly indicate original, independent, scholarly work deemed suitable for publication,” but that does not become a barrier or deterrent for application by qualified candidates.
- To change the format of the Annual Meeting to include a session devoted to a single topic of importance to ophthalmology, medicine, and the public. These symposia/forums would feature presentations by nationally recognized experts and offer opportunities for open discussion with Society members.⁸

A further area of scrutiny and introspection has been the challenge of attracting new members who will “give life” to and ensure the continued success and effectiveness of the AOS. The two bulleted lists below, excerpted from the summary of the discussion, give insight into the thinking of the Council from a 2006 meeting:⁹

“Considerations for identifying new members:

- In large part subspecialty driven
- Primary responsibility of the Membership Committee supported by Council
- More stress on personal solicitation as opposed to written material
- Continue to stress and maintain diversity
- Seek members from both academic community and private practice and from subspecialty and comprehensive practices
- Seek mean age of new members to be primarily in their 40s
- Evaluate leadership potential on the basis of accomplishments (publication and awards) as well as personality

What does the AOS offer members:

- Meetings containing topics of interest across subspecialties
- Symposia focusing on key topics of importance to ophthalmology, medicine, and the public featuring presentations by experts in the field
- Cordiality and increased informality while still retaining some of the grand traditions but on [sic] an open and affordable manner”

⁸ Ibid.

⁹ The following information comes from the January 2006 Council Meeting, AOS Summary of Discussion, Appendix A.

3

Accomplishments of the AOS 1989–2014

THE OPHTHALMOLOGIST OF THE FUTURE

The new factors that have made the past 25 years different and difficult are the major changes in the socioeconomic aspects of medical care and the practice of medicine in general, particularly in ophthalmology. These changes reflect changing societal attitudes and values. The impact and relevance of medical societies – including the AOS – on the practice of their subspecialties has been diminished by legislative and administrative decisions outside of medicine. The enthusiasm and subsequent loyalty of a new generation of doctors to medical societies is far less than in previous generations. Also, the time and money available to physicians to travel to multiple meetings is markedly limited. Recruitment of the the best and the brightest as Society members is more difficult. Frank Newell recognized this challenge 25 years ago and concluded his history with a challenge: “Today the Society faces the question that asks if it must change to continue to fulfill its objectives as defined in the constitution of 1864, the ‘advancement of ophthalmic science and art.’”¹⁰ Making those changes has been the major challenge – and, we believe, the major accomplishment – of the past 25 years.

In its recent Herman Knapp Symposia, the Society has looked at the daunting questions of how the ophthalmologist of the future will practice and who will be the ophthalmologists of the future. The conclusions are striking and are reprinted below:

10 Newell, F. W. (1989). “The American Ophthalmological Society: The first 125 years.” *Transactions of the American Ophthalmological Society*, 87, 56.

The ophthalmic practice of the future:

The practice of ophthalmology faces many opportunities and challenges going forward. Fortune favors the prepared mind: ophthalmologists need to recognize the current government regulations and anticipate future developments. Ophthalmic practices of the future will be rewarded for providing high-quality and efficient care and must be ready to support emerging integrated methods of care. High-quality, efficient care includes standardized care processes based on recommended practice guidelines and appropriately matching the level of care to the skills of the health care provider. Optimal implementation of the Electronic Health Record (EHR) should support these goals.

The 2011 Knapp Symposium of the American Ophthalmological Society attempted to address the issues facing ophthalmologists and their practices in the future. The presentations identified the broad outlines of future trends that are largely driven by demographics, economics, human factors, and informatics. The ophthalmologist will need to be informed, and professional practices will need to adapt. How we deal with these forces will shape the system we have in the future. A new world of health care is upon us. Ophthalmology has been blessed over the years with leadership and vision that will enable us to adjust, prosper, and increase the eye care health of the population. These characteristics should serve us well in the future.¹¹

The ophthalmologist of the future:

Increasingly, the ophthalmologists of the future will be Millennials and Generation Xers expressing their new values, work, and lifestyles. This will require changes in how they will be educated, employed, and rewarded professionally. It will affect communication with colleagues and patients and will advance the use of technology in the delivery of patient care. It is yet to be seen how these generations of ophthalmologists will negotiate imposed external requirements such as governmental systems, institutional guidelines, and patient care demands in the future. These paradigm shifts may be on a collision course with new public accountability requirements and major changes in eye care delivery.

This change will also shape the professional organizations of the future. The sustainability of ophthalmic organizations requires the engagement of their younger generations. Ophthalmology must embrace the ideas and the culture of our young colleagues and invite them to help guide us, while senior leadership provides the key resources of wisdom and experience. Our organizations have much to gain by respecting and empowering the ophthalmologists of the future.¹²

The AOS realizes that the future discussed above is now and, as previously discussed, has implemented changes in its programs and recruitment to maintain its relevance and influence with the the best and the brightest in ophthalmology as the 21st century progresses.

11 Mets, M. B., et al. (2012). "The ophthalmic practice of the future." *Archives of Ophthalmology* 130(9), 1195–1198. Retrieved from <http://archophth.jamanetwork.com/article.aspx?articleid=1357945>, 1198

12 Mets, M. B., et al., "The ophthalmologist of the future." *Archives of Ophthalmology* 130(9), 1190–1194. Retrieved from <http://archophth.jamanetwork.com/article.aspx?articleid=1357944>, 1194

CONTINUING A 150-YEAR TRADITION

An additional major accomplishment of the AOS is in what it was *not* done in the last 25 years. It continues its 150-year tradition as an association of select American ophthalmologists who consider the practice of our specialty as a “scholarly profession and not a mercenary trade,”¹³ emphasized in the AOS’s white paper titled “A Perspective on Commercial Relationships Between Ophthalmology and Industry” (2009), which concludes as follows:

This perspective was formulated to review some of the principles that should govern the interface between physicians (or researchers) in ophthalmology and vision science, and the pharmaceutical and device industries. It is not intended to be critical of the pharmaceutical industry but to provide guidelines for the behavior of physicians, researchers, and physician organizations and to provide a framework for discussion of issues.

1. Ophthalmologists are professionals. We are given a place of value in society, with society’s trust. Our first consideration must be the patient’s welfare, and we must consider the needs of society. The same is true of our professional organizations.
2. Taking gifts and other items of value from pharmaceutical companies can change a physician’s perspective and behavior. Although we often believe that we are immune, studies have clearly shown that our prescribing practices and other aspects of our behavior are influenced by receiving these gifts.
3. We are not entitled. Nothing we did during medical school, internship, or training entitles us to such gifts as free meals, reduced registration fees, and paid travel.
4. We accept additional professional responsibilities when we teach or perform research. Both are founded on the seeking of scientific truth in order to care for our patients.
5. We and our organizations should not be marketers for a company. This compromises our professionalism.
6. The fundamental mission of for-profit pharmaceutical companies and device manufacturers is not charity. When they give away money, rarely is it for the welfare of humanity but to influence behavior to improve their profitability. This is their duty to their stockholders and owners.
7. If we do not behave as professionals, government bodies and society will impose on us regulations that will be onerous. We stand to lose our valued place in society.¹⁴

13 Blodi, F. C. (1989). “The tenth Frederick H. Verhoeff Lecture. What else did 1864 contribute to ophthalmology?” *Transactions of the American Ophthalmological Society*, 87, 300. Retrieved from <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1298547/>, 300.

14 Jampol, L. M., et al. (2009). “A perspective on commercial relationships between ophthalmology and industry.” *Archives of Ophthalmology* 127(9), 1194. Retrieved from <http://archophth.ama-assn.org/cgi/reprint/127/9/1194.pdf>, 1201–1202.

THE MOST CITED PAPERS OF THE TRANSACTIONS OF THE SOCIETY

The Society's papers and activities are well documented in the *Transactions* of the Society, and their scope and quality are impressive. Table 1 shows a list of the top ten most-cited papers from 1989 to 2013 of the *Transactions of the American Ophthalmological Society* (TAOS), as generously compiled by Pam Sieving using the databases of Web of Science, Scopus, and Google Scholar. Five of these papers were submitted as theses. The papers represent a wide diversity of topics, including visible-light and age-related macular degeneration, retinal damage associated with experimental uveitis, photopic abnormalities in retinal dystrophies, surgical excisions of subfoveal neovascular membranes, ocular manifestations of HIV, a model for the tear film lipid layers, system hypertension related to retinal vasculature, vision and quality-of-life, corneal epithelia for ocular disease, and the epidemiology of retinal vein occlusion.

Table 1. Top Ten Most-Cited Papers, Sorted by Year (1990–2013)

1. Taylor, H. R., Muñoz, B., West, S., Bressler, N. M., Bressler, S. B., & Rosenthal, F. S. (1990). Visible light and risk of age-related macular degeneration. *Transactions of the American Ophthalmological Society*, 88, 163–178.
2. Rao, N. A. (1990). Role of oxygen free radicals in retinal damage associated with experimental uveitis (thesis). *Transactions of the American Ophthalmological Society*, 88, 797–850.
3. Sieving, P. A. (1993). Photopic ON- and OFF-pathway abnormalities in retinal dystrophies (thesis). *Transactions of the American Ophthalmological Society*, 91, 701–773.
4. Gass, J. D. (1994). Biomicroscopic and histopathologic considerations regarding the feasibility of surgical excision of subfoveal neovascular membranes. *Transactions of the American Ophthalmological Society*, 92, 91–116.
5. Jabs, D. A. (1995). Ocular manifestations of HIV infection (thesis). *Transactions of the American Ophthalmological Society*, 93, 623–683.
6. McCulley, J. P., & Shine, W. (1997). A compositional based model for the tear film lipid layer. *Transactions of the American Ophthalmological Society*, 95, 79–88; discussion, 88–93.
7. Klein R., Klein, B. E., & Moss, S. E. (1997). The relation of systemic hypertension to changes in the retinal vasculature: the Beaver Dam Eye Study. *Transactions of the American Ophthalmological Society*, 95, 329–350.
8. Brown, G. C. (1999). Vision and quality-of-life (thesis). *Transactions of the American Ophthalmological Society*, 97, 473–511.

9. Schwab, I. R. (1999). Cultured corneal epithelia for ocular surface disease (thesis). *Transactions of the American Ophthalmological Society*, 97, 891–986.
10. Klein, R., Klein, B. E., Moss, S. E., & Meuer, S. M. (2000). The epidemiology of retinal vein occlusion: the Beaver Dam Eye Study. *Transactions of the American Ophthalmological Society*, 98, 133–143.

AOS CURRICULUM IN OPHTHALMOLOGY FOR MEDICAL STUDENTS

Developed by a Task Force of the American Ophthalmological Society chaired by John Clarkson and members James Augsburger, Hans Grossniklaus, Barrett Haik, Marilyn Mets, Rich Parrish, and Ivan Schwab, a curriculum in ophthalmology was established by AOS based on the impression that the time devoted to ophthalmic instruction in most medical schools was inadequate to meet the needs of the public.

The recommendations were approved by the AOS Council in May 2003, and the curriculum was subsequently distributed to the Deans of all medical schools in the United States as well as to the president of the Association of University Professors of Ophthalmology. Although the curriculum has not yet been adopted by any medical school, it is an example of what the AOS is capable of creating to benefit the specialty of ophthalmology via its collective brainpower.

The curriculum is available in PDF format online at <http://www.aosonline.org/medstudentcurriculum.pdf>.

Current State of the Society on Its Sesquicentennial Anniversary

When one reviews previous histories of the AOS written at major milestone anniversaries of the Society (the 75th, 100th, and 125th), it is apparent that, in important ways, the last 25 years (1989–2014) have been the most challenging that the organization has faced since the early years of its founding. The AOS has faced the same responsibilities and obligations to its membership that existed in the past, yet it continues to adapt in order to fulfill its vision and mission “to advance the art and science of ophthalmology” by promoting excellence in patient care, by keeping its members up to date on clinical and research advances, and by addressing essential issues in medicine.¹⁵ It achieves this by continuing its tradition of addressing these issues to the entire membership, and *not* segregating its members in subspecialty units. Further, at its annual meetings it provides an environment conducive to one-on-one and small group meetings, fostering friendship and collegiality. There are athletic and recreational activities, social events, and an atmosphere of gracious hospitality. These are all worthy endeavors and have been accomplished as well as – if not better than – in previous decades.

The AOS, through its continuing scientific and educational contributions, ethical values, notable membership, and transparent governance, returns the trust and loyalty of its members and the specialty it serves. It is adapting to a changing world, and on its sesquicentennial anniversary we find the Society healthy and flourishing.

15 S. Moss, personal communication, August 28, 2012.

5

Constitution, Bylaws, and Governance

Since 1998, the Society's governing body has been termed the "Council"; the governing body of its Charitable, Educational, and Scientific Trust Fund (CES), the "Board,"; and the governing body of its Herman Knapp Fund, the "Trustees." The same individuals constitute all three of these governing bodies.

Detailed information regarding the Society's offices, committees, representatives, and funds, including lists of participating members over the past 25 years, are covered in upcoming sections.

The Society's original handwritten Constitution, Bylaws, and Signature Book are housed in the Rare Book Room at the New York Academy of Medicine. The original Signature Book was stored on the American Academy of Ophthalmology premises until the late 1990s when Dr. Norman Medows safely delivered it to the New York Academy of Medicine to join the rest of the AOS collection. Only Society members are allowed to view the original AOS materials. However, the Council voted in 1999 to have a facsimile copy of the original Constitution and Signature Book sent to the New York Academy of Medicine and be made available for research purposes without restriction.

Copies of the Society's original Constitution, Bylaws, and Signature Book are also contained in a publication accompanying Frank W. Newell's *The American Ophthalmological Society: A Continuation of Wheeler's First Hundred Years*, which was published in 1989 (Johnson Printing Company, Rochester, MN). The Bylaws first became accessible by computer from the AOS office in 1999. The current version of the AOS Constitution and Bylaws is located online (for members only) at the AOS website at <http://www.aosonline.org/membersonly/bylaws.pdf>.

Over the years, most constitutional amendments have dealt with the criteria for membership or matters regarding the legal structure of the Society. From the time of the Society's origin, members have signed the Signature Book, thereby indicating their willingness to subscribe to the Constitution and Bylaws. Modifications

and additions to the Bylaws have occasionally been introduced over the past few decades.

Some of the Society's important bylaw and governance changes over the last 25 years include:

- Establishing a similar alternative credential acceptable for membership comparable to certification by the American Board of Ophthalmology
- Extending the years of membership required for emeritus status from 20 to 25 years, the qualifying age from 65 to 70 years, and requiring a three-quarters of membership vote instead of a unanimous vote for active members to become emeritus
- Increasing the maximum number of active members to the current total of 275
- Permitting foreign trained and certified ophthalmologists resident in the United States or Canada for ten years to apply for membership
- Renaming the office of vice president to president-elect
- Making the president-elect and editor ex-officio members of the Council with full voting privileges
- Changing the amount of time that a member be in arrears before being removed from the list of members from three years to one
- Eliminating the associate member category and ten-year requirement prior to nomination to membership
- Removing the requirement to publish papers presented at the Annual Meeting
- Allowing the committee on theses to reject theses of AOS candidates for membership
- Eliminating the position of president-elect starting in 2009 and changing the title of secretary-treasurer to executive vice president starting in 2008

6

Members

A membership in the Society offers numerous benefits:

- Honor through selection for membership by one's peers of accomplished ophthalmologists
- Recognition by leaders in ophthalmology of your independent, peer-reviewed research (thesis)
- Publication of your complete peer-reviewed thesis (no page limit) in the *Transactions* of the AOS
- Opportunity to publish same material or portion elsewhere after TAOS publication
- Annual Meetings, with scientific presentations, networking, and social activities in beautiful, peaceful settings
- The Knapp Symposium, held at each Annual Meeting, providing presentations on a single topic by invited experts to provide current state of the art information, with open discussion
- No corporate sponsorship; no bias such as "company-sponsored" talks
- Diverse membership, both geographically and by subspecialty interests
- Opportunity for open discussion by all members after each Annual Meeting's scientific presentations
- Fellowship of like-minded ophthalmologists wishing to preserve the tradition of advancing ophthalmic science and art that started in 1864
- Electronic newsletter
- Interaction with experts in all fields of interest in ophthalmology, not just a subspecialty; opportunity for cross-fertilization of ideas and information to foster excellence in patient care and innovations in patient care and research
- Opportunity to maintain a broad view of ophthalmology today (versus typical specialty meetings or symposia)
- Enjoyable social interaction for members and spouses during the Annual Meetings
- *Transactions of the American Ophthalmological Society* (published annually since 1865), which includes all accepted theses at the Annual Meetings

of AOS; *Transactions* from 1865 to the present are available online through PubMed Central and searchable via PubMed and PubMed Central and thus easily accessible and citable by worldwide readers

- Opportunity to nominate new candidates for membership in AOS to continue the tradition of recognizing excellence in ophthalmology and helping to forge future leaders for our profession
- The Howe Medal, awarded annually to a member for distinguished service to ophthalmology (Table 24)
- The Frederick H. Verhoeff Lecture delivered at the Annual Meeting every few years

ELIGIBILITY FOR MEMBERSHIP

Candidates for membership must be graduates in medicine in good professional standing, as evidenced by an unrestricted license to practice medicine in all jurisdictions in which they are licensed. Candidates for membership must have been granted a certificate by the American Board of Ophthalmology (ABO). A similar certificate from a medical specialty board outside of the US may be an acceptable alternative in special circumstances.

Although criteria regarding academic achievement are not precise, candidates should have a record of excellence in ophthalmology in one or more of the following areas: clinical practice, scientific productivity, education, administration, or public service. They must have achieved distinction in the art and practice of ophthalmic science. The apparent ability of a candidate to produce an appropriate thesis is considered important. There must be proof of continuing scholarship. A general guideline suggests that a candidate should have produced a minimum of six articles in major refereed journals within the five years preceding his or her nomination. Candidates should also give promise of full participation in the Society and add to the AOS spirit of collegiality. In cases of “exceptional merit,” as determined by the Council, exceptions to these guidelines can be considered.

There used to be a ten-year requirement concerning eligibility for membership, which the Council directed be eliminated in 2001.

MEMBER CATEGORIES

Membership in the Society is divided into three categories: active, emeritus, and honorary.

Active Members

New members previously entered the Society as associate members; however, in 2000 the Council directed that the associate category be eliminated. Approved individuals now enter the Society as full active members. A candidate for active membership must possess current certification by the American Board of Ophthalmology or a similar alternative credential acceptable to the Council. Once the Council reviews all qualifications, including the recommendation of the committee on theses, favorable candidates will be recommended for active membership. Active members must pay annual dues and are notified when the *Transactions* are published online annually. They have full voting privileges, can be elected or appointed to office, may nominate candidates for membership, and can serve on committees. Per the current Bylaws, the Society sets a limit of 275 active members.

Emeritus Members

The category of emeritus members was established in 1921. To become an emeritus member, one must have been an active member for at least 25 years, or have reached the age of 70 years and been a member for at least 10 years, or be completely retired from active practice or from gainful occupation and have been a member for at least 10 years. After meeting any of those requirements, an active member may become an emeritus member upon written request, Council recommendation, and an affirmative vote of three-quarters of the members present and voting at any executive session of an Annual Meeting. Emeritus members are exempt from annual dues. Annual Meeting attendance is not required, although it is highly encouraged. They may propose or second individuals for membership in the Society. Emeritus members may not vote in executive session, be elected to office, or be appointed to any standing committee except the committee on prizes.

Honorary Members

Ophthalmologists who are not citizens of the United States or Canada and physicians practicing related branches of medicine or surgery may be elected to honorary membership in the Society by recommendation of the Council. These recommendations are submitted at an executive session of the Society and require a unanimous vote of the members present and voting. Since 1990, the Society has had only two honorary members in its ranks: Lorenz E. Zimmerman (1985) and Norman Ashton (1989). Honorary members are exempt from annual dues. Annual Meeting attendance is not required, although it is highly encouraged. Honorary members may not propose or second individuals for membership in the Society. They may not vote in executive session, be elected to office, or be appointed to standing committees.

PROCESS OF NOMINATION

The Society encourages active and emeritus members to nominate individuals. A major goal of the Society is to attract current and future leaders of ophthalmology. Recently, the Society has set a new goal of encouraging international members as well as domestic.

Letter of Nomination

To nominate a candidate, a structured letter of nomination should be sent by an active or emeritus member to the executive vice president, with a seconding letter by another active member or emeritus member by the April 30th deadline each year. Honorary members may not nominate or second candidates. There is no limit to the number of candidates that active and emeritus members may nominate per year. Individuals in the same department or who have served as mentors for the candidate should not write the nominating letters; rather the letters should come from other national individuals in the field of interest of the candidate to affirm his/her national and/or international stature in ophthalmology. Nominating letters should be sent by email to the executive vice president and present a detailed profile of the candidate. The letters should include the candidate's full name, address, work telephone number, and email address, and an introductory paragraph. The letter of nomination should adhere to the following suggested format:

A. Introductory paragraph

- Summary of who the candidate is and major reason(s) for the nomination
- Comments regarding the candidate's potential for leadership and his or her character and ethical standards

B. Clinical practice

- Subspecialty orientation and clinical responsibilities of the candidate
- Skills, quality of care, and accomplishments

C. Scientific productivity

- Contributions of the candidate to ophthalmology and medicine, including a brief overview of any important published articles, funded grants, and participation on study sections or editorial boards
- Membership in subspecialty societies, if applicable

D. Education

- Candidate's academic rank and any important participation in teaching activities regarding medical students, residents, fellows, and peers at local, regional, national, and international levels
- Participation on specialty boards and AAO committees, if applicable

E. Administration

- Candidate's service to practices, academic departments or other institutions, the AAO, governmental agencies, and subspecialty societies
- Significant leadership titles, responsibilities, and accomplishments

F. Public service

- Candidate's important contributions in public service

G. Other

- Additional unusual or unique aspects not included in the previous topics and that may have a bearing on the success of his or her candidacy

The authors of the nominating and seconding letters should collaborate prior to submitting the letters. Although the seconding letter does not need to repeat all of the information contained in the nominating letter, it should demonstrate that the

seconder has both knowledge of the candidate's qualifications and enthusiasm for his or her candidacy.

The Council reviews the nomination letters and candidates at the executive session in May and the membership votes on whether to invite the individual to submit a formal application. The candidate is then provided access to the online application form to complete by July 1st. The committee on membership reviews the application form and supporting letters and presents acceptable candidates at the Fall Council Meeting.

THESIS REQUIREMENT

The candidate must demonstrate scholarship in the form of a thesis to become a member. The thesis should be an original contribution toward the advancement of the science and art of ophthalmology. It needs to advance an original point of view supported by research or argument and present new findings or strong evidence to confirm or deny the value of a concept, procedure, or technique. Appropriate topics for a thesis include, but are not limited to, clinical, applied, or basic research; observational and population-based studies; medical services research; bioethics position papers; laboratory biomedical research; innovative surgical techniques; administrative issues; and other investigations that advance the science and art of ophthalmology. The most important factors are: (1) that the impetus and creativity behind the research be predominantly that of the candidate, and (2) that the work be new and original and not previously published elsewhere. Per the October 1999 Council minutes, Dr. Hal MacKenzie Freeman wrote a handbook titled *Guidelines for Preparation of an AOS Thesis*. The authors have been unable to locate this handbook. However, current thesis guidelines for the Society can be found at <http://www.aosonline.org/thesis-guidelines.pdf>.

Thesis Review Process and Notification

After the Fall Council Meeting, acceptable candidates are formally invited to submit a thesis within the next three years. Theses must be submitted to the executive vice president by January 1 each year to be considered for that year. No extensions can be granted. A submitted thesis is reviewed by the committee on theses during the months of January through March, with a recommendation for acceptance, rejection,

tion, or revision. The committee on theses makes its final recommendations to the Council for its action. An online review system was put into place in 2006. As of that year, there was an 80% thesis acceptance rate and a 20% major revision rate.

In 2011, the committee on theses made recommendations to the Council on how to improve the thesis review process:

- Implementing a “start over” option: Rather than asking a candidate to revise a thesis that the committee believes will never be accepted no matter how much effort is put into the revision, the candidate should be asked to choose a new topic and begin anew.
- The abolishment of required author anonymity: Knowing the author upfront would allow the committee to judge the thesis in the context of the authors’ work as a whole.

The Council responded by implementing numerous changes to the thesis process:

- Candidates must submit their proposed hypothesis and methods (up to one page) for review by the committee on theses by mid-February after being invited to write a thesis. Candidates will receive feedback so that they either know they are on the right track with their thesis or need to rethink their plan.
- Reinstating the option to reject a thesis. Authors of rejected theses will receive a positive letter allowing them one opportunity to choose a new topic. The authors will receive a two-year submission extension.
- The Council directed that each candidate receive a reminder each year notifying them of their thesis submission due date.
- The Council approved eliminating the requirement that candidates submit an anonymous, redacted copy of their thesis.

Thesis Acceptance

If the thesis is accepted and the candidate is approved by the Council, members of the Society vote upon the candidate at the annual executive session. Election to membership is by a favorable vote of three-quarters of the members present and voting. Candidates will be notified of the decision in June, following the Annual Meeting. All accepted theses are published in the *Transactions* at the AOS website as well as given free, open access at PubMed Central during the same year as accepted.

Authors must cooperate in the publication process, or the thesis acceptance may be withdrawn.

Thesis Rejection

The manuscript might be rejected if the committee on theses finds it lacking in appropriate hypothesis testing or appropriate depth. If the candidate has additional time in the three-year period, a new thesis could be submitted within the allotted time period, but an extension cannot be granted. Additional opinions may be sought from members of the Society or from an expert selected from outside the Society.

Thesis Revision and Resubmission

When an author is asked to revise and resubmit a thesis, points needing further clarification will be enumerated to the author, and these items should be addressed in the revision. The manuscript should be returned by the next January 1 if possible, and at the latest, by the following January 1 (19 months following the initial decision of the committee on theses) for reevaluation by the committee on theses. A cover letter must accompany the revised thesis indicating the author's response to each requested revision point. Because the composition of the committee changes annually, the revised thesis will be reviewed by at least one different individual. Although the executive vice president will be responsible for being certain that the current committee members are familiar with the comments and criticisms contained in the letter from the "original" committee to the candidate, the current committee will judge the revised thesis on all of its merits and deficiencies and will not limit the review to the responses of the author to the original critique. Following the initial submission, a thesis may be revised twice. If the second revision remains unacceptable, the decision of the committee on theses will be referred to the Council and the invitation to membership will be withdrawn.

NEW MEMBERSHIP REQUIREMENTS

Acceptance of a thesis is the final step in the author becoming a member of the Society. The Society requires new members to sign the Constitution and Bylaws, pay

annual dues (due December 31 of the year to which the dues apply and now payable online), as well as an initiation fee, and he or she is notified when the *Transactions* are published online annually. A new member has all the rights and privileges of active membership immediately upon acceptance.

FORFEITURE OF MEMBERSHIP

There are 3 ways that members may forfeit their membership: unethical conduct, excessive meeting absences, and nonpayment of dues.

Where a member is accused or suspected of unethical conduct, the Council makes a complete investigation and holds a hearing where the accused can present his or her defense. The definition of unethical conduct matches that of the American Academy of Ophthalmology. Any member found guilty of unethical conduct automatically ceases to be a member of the Society.

Any member absent from meetings for three consecutive years without an acceptable excuse will be dropped from the membership roll, except for honorary members, emeritus members, members of twenty years standing, or members serving in the armed forces. An excuse for absence is acceptable only when a member is ill or when there is illness of a member of his or her immediate family. An absence is not considered approved until received in written form and acted upon by the Council. The Council approves other excuses only upon a finding of exceptional circumstances. This Bylaw is printed in every call for the Annual Meeting.

Active members who have not paid dues within one year from the date of the initial dues billing will be formally notified that they may be dropped from membership unless payment is made within three months of the date of notification. The Council, upon review of individual exceptional circumstances, may extend the time for payment.

GEOGRAPHIC DISTRIBUTION OF MEMBERS

From 1990 through 2013, the Society has had about 506 total members, most from the United States. Foreign members include 6 from Canada, 4 from Puerto Rico, 1 from Australia, 1 from New Zealand, 1 from Japan, and 1 from France. Table 2 shows the breakdown of members by state.

Table 2. States Where Members Have Practiced, with Numbers of Members, 1990–2013

New York	60
California	59
Maryland	46
Pennsylvania	32
Massachusetts	26
Minnesota	23
Texas	22
Michigan, Illinois, and Missouri	20
Florida	19
North Carolina	16
Wisconsin	15
Ohio	14
Oregon	13
Washington, DC, and Georgia	12
Connecticut	11
Tennessee	10
Iowa	8
Louisiana	7
Indiana	6
New Jersey and Virginia	5
Kentucky, Kansas, and Colorado	4
Arizona	3
Alabama and South Carolina	2
Delaware and Maine	1

**MEMBERS OF THE AMERICAN
OPHTHALMOLOGICAL SOCIETY 1990
THROUGH 2012**

The following list includes an updated status of members since the publication of Newell's *American Ophthalmological Society 1864–1989* through the 148th Annual Meeting, May 17–20, 2012. The first column indicates the year joined, the second column indicates the member status (A: Active; D: Deceased; E: Emeritus; H: Honorary; R: Resigned; r: Removed), and the third column indicates the member's name.

1936	D	Thygeson, Phillips	1948	D	Swan, Kenneth C.
1938	D	Bruce, Gordon M.	1949	D	Calhoun, F. Phinzy, Jr.
1940	D	Hildreth, H. Rommel	1949	D	Randolph, M. Elliott
1941	D	Hill, Howard F.	1949	D	Simpson, G. Victor
1941	D	Hughes, Wendell L.	1950	D	Marshall, Don
1941	D	Pfeiffer, Raymond L.	1950	D	Sanders, Theodore E.
1943	D	Allen, James H.	1950	D	Sherman, Arthur E.
1943	D	Carroll, Frank D.	1950	D	Sloane, Albert E.
1944	D	Perera, Charles A.	1951	D	Birge, Henry L.
1945	D	Hallum, Alton V.	1951	D	Guerry, DuPont, III
1946	D	Gifford, Harold	1951	D	Harley, Robison D.
1946	D	Harrington, David Oliver	1951	D	Leopold, Irving H.
1947	D	Braley, Alson E.	1951	D	Smith, Byron C.
1947	D	DeVoe, A. Gerard	1952	D	Falls, Harold F.
1947	D	Puntenny, Irving	1952	D	Hughes, William F., Jr.
1947	D	Quinn, Lester H.	1952	D	Morrison, W. Howard
1947	D	Rucker, C. Wilbur	1952	D	Shaffer, Robert N.
1947	D	Scheie, Harold Glendon	1953	D	Newell, Frank W.
1948	D	Cogan, David G.	1953	E	Owens, William C.
1948	D	Irvine, S. Rodman	1954	D	Chamberlain, Webb, Jr.
1948	D	McGavic, John S.	1954	D	Davies, Windsor S.

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| 1954 D Elliot, Alfred J. | 1960 D Breinin, Goodwin M. |
| 1954 D Haik, George M. | 1960 D Calkins, Larry L. |
| 1954 D McCulloch, Clement | 1961 D Johnson, Carl Cordes |
| 1955 D Henderson, John Woodworth | 1962 E Benedict, Walter H. |
| 1955 E Snell, Albert C., Jr. | 1962 D Irvine, A. Ray, Jr. |
| 1956 D Grant, W. Morton | 1962 D Potts, Albert M. |
| 1956 D Henderson, John Warren | 1962 D Shoch, David |
| 1956 D Keeney, Arthur H. | 1962 E Troutman, Richard C. |
| 1956 D Meriam, George R., Jr. | 1963 D De Roetth, Andrew, Jr. |
| 1956 D Snyder, Daniel | 1963 D Dixon, Joseph M. |
| 1956 D Wadsworth, Joseph A. C. | 1963 E Duke, James R. |
| 1957 D Day, Robert | 1963 D Hedges, Thomas R. |
| 1957 D Hitz, John Barnard | 1963 D Locke, John C. |
| 1957 D Iliff, Charles E. | 1963 D Norton, Edward W. D. |
| 1957 D Leahey, Brendan D. | 1964 D Donaldson, David D. |
| 1957 E Picó, Guillermo | 1964 D Kennedy, Robert E. |
| 1957 E Regan, Ellen F. | 1965 D Beasley, Harold |
| 1958 D Blodi, Frederick C. | 1965 D Kearns, Thomas P. |
| 1958 D Christensen, Leonard | 1965 E Truhlsen, Stanley M. |
| 1958 D Hollenhorst, Robert W., Sr. | 1965 D Wolter, J. Reimer |
| 1958 D Maumenee, A. Edward | 1966 E Asbury, Taylor |
| 1958 D Sullivan, Garrett L. | 1966 D Beard, Crowell J. |
| 1958 D Wilson, Fred M., Sr. | 1966 D Duane, Thomas D. |
| 1959 D Byrnes, Victor A. | 1966 D Everett, William G. |
| 1959 D Cowan, Thomas H. | 1966 D Frayer, William C. |
| 1959 D Day, Robert M. | 1966 E Hamilton, Ralph S. |
| 1959 E Jones, Ira S. | 1966 D Harris, John E. |
| 1959 D Knapp, Philip | 1966 E Richards, Richard D. |
| 1959 D McPherson, Samuel D., Jr. | 1967 D Dunlap, Edward A. |
| 1960 E Becker, Bernard | 1967 D Kirby, Thomas J. |
| | 1967 D McTigue, John W. |

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| 1968 E Anderson, William Banks, Jr. | 1971 D Schwartz, Ariah |
| 1968 D Armaly, Mansour F. | 1972 E Bronson, Nathaniel R. |
| 1968 E Bennett, James E. | 1972 D Gass, J. Donald |
| 1968 D Burns, Robert P. | 1972 D Levene, Ralph Z. |
| 1968 D Campbell, Charles J. | 1972 E Okun, Edward |
| 1968 D Crawford, John Soper | 1972 E Spencer, William H. |
| 1968 D Ellis, George S. | 1972 E Taylor, Daniel M. |
| 1968 D Fink, Austin I. | 1972 E Wolff, Stewart M. |
| 1968 A L'Esperance, Francis A., Jr. | 1972 E Wong, Vernon G. |
| 1968 E McDonald, James E. | 1973 E Davis, Matthew D. |
| 1968 D Patz, Arnall | 1973 E Ferry, Andrew P. |
| 1968 E Straatsma, Bradley R. | 1973 E Hiatt, Roger L. |
| 1968 E Watzke, Robert C. | 1973 E Knox, David L. |
| 1969 E Curtin, Brian J. | 1973 D Lloyd, Lois A. |
| 1969 D Ellsworth, Robert M. | 1973 E Sears, Marvin L. |
| 1969 D Parks, Marshall M. | 1974 E Brockhurst, Robert J. |
| 1969 E von Noorden, Gunter K. | 1974 E Carr, Ronald E. |
| 1970 E Dellaporta, Angelos | 1974 E Forbes, Max |
| 1970 D Durham, Davis G. | 1974 E Grayson, Merrill |
| 1970 E Jampolsky, Arthur | 1974 E Laties, Alan M. |
| 1970 E Manchester, P. Thomas, Jr. | 1974 E O'Rourke, James |
| 1970 D O'Connor, G. Richard | 1974 E Robb, Richard M. |
| 1970 E Tasman, William | 1975 D Alper, Melvin G. |
| 1970 D Turner, Larry | 1975 A Ernest, J. Terry |
| 1970 E Welch, Robert B. | 1975 D Green, W. Richard |
| 1971 E Ellis, Phillip P. | 1975 D Knobloch, William H. |
| 1971 D Kupfer, Carl | 1975 E Rubin, Melvin L. |
| 1971 E Macdonald, Roderick, Jr. | 1975 A Spaeth, George L. |
| 1971 E McMeel, J. Wallace | 1975 E Spalter, Harold F. |
| 1971 E Schultz, Richard O. | 1975 E Yanoff, Myron |
| | 1976 D Campbell, Francis P. |

1976	D	Dyer, John A.	1979	E	Pollack, Irvin P.
1976	E	Fraunfelder, Frederick T.	1979	D	Ryan, Stephen J.
1976	E	Laibson, Peter R.	1979	A	Walton, David S.
1976	A	Lichter, Paul R.	1980	E	Annesley, William H., Jr.
1976	E	Little, Hunter L.	1980	D	Apt, Leonard
1976	D	Podos, Steven M.	1980	E	Berrocal, Jose A.
1976	E	Spivey, Bruce E.	1980	D	Cox, Morton S.
1977	E	Dayton, Glenn O.	1980	A	Crawford, J. Brooks
1977	D	Howard, Rufus O.	1980	D	Dobbie, J. Graham
1977	E	Kolker, Allan E.	1980	A	Doughman, Donald J.
1977	R	Machemer, Robert (D)	1980	E	Elliott, James H.
1977	E	Thompson, H. Stanley	1980	E	Flanagan, Joseph C.
1977	D	Weinstein, George W.	1980	E	Hagler, William S.
1978	E	Freeman, H. MacKenzie	1980	E	Helveston, Eugene M.
1978	D	Friendly, David S.	1980	E	Irvine, Alexander R.
1978	E	Goldberg, Morton F.	1980	E	Jaeger, Edward A.
1978	D	Krohn, David L.	1980	E	Jones, Dan B.
1978	E	Landers, Maurice B., III	1980	D	Kaiser-Kupfer, Muriel I.
1978	E	Robertson, Dennis M.	1980	D	Kramer, Steven G.
1978	E	Spaulding, Abbot G.	1980	E	Payne, John W.
1978	E	Véronneau-Troutman, Suzanne	1980	D	Purnell, Edward W.
1978	D	Wetzig, Paul C.	1980	E	Stark, Walter J.
1979	E	Albert, Daniel M.	1981	D	Acers, Thomas E.
1979	E	Drews, Robert C.	1981	E	Anderson, Douglas R.
1979	E	Glew, William B.	1981	E	Darrell, Richard W.
1979	E	Gutman, Froncie A.	1981	D	Hilton, George F.
1979	E	Luxenberg, Malcolm N.	1981	E	Hyndiuk, Robert A.
1979	E	Miranda, Manuel N.	1981	A	Ing, Malcolm R.
1979	D	Morin, J. Donald	1981	E	Jarrett, William H.
1979	D	Polack, Frank M.	1981	E	Maumenee Hussels, Irene
			1981	A	Scott, Alan B.

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|------|---|---------------------------|------|---|--------------------------------|
| 1981 | A | Shields, Jerry A. | 1984 | A | Stamper, Robert L. |
| 1981 | A | Wilkinson, Charles P. | 1984 | E | Waltman, Stephen R. |
| 1982 | E | Baum, Jules L. | 1984 | E | Wood, Thomas O. |
| 1982 | E | Brubaker, Richard F. | 1984 | E | Younge, Brian R. |
| 1982 | E | Burton, Thomas C. | 1985 | E | Cooper, William C. |
| 1982 | E | Federman, Jay L. | 1985 | E | Farris, R. Linsy |
| 1982 | E | Lawwill, Theodore | 1985 | A | Iliff, W. Jackson |
| 1982 | D | Michels, Ronald G. | 1985 | E | Kenyon, Kenneth R. |
| 1982 | A | Raab, Edward L. | 1985 | R | Krachmer, Jay H. |
| 1982 | E | Smith, Ronald E. | 1985 | D | Zimmerman, Lorenz E.
(Hon.) |
| 1982 | E | Srinivasan, B. Dobli | 1986 | E | Aaberg, Thomas M. |
| 1982 | E | Streeten, Barbara W. | 1986 | E | Blankenship, George W. |
| 1982 | E | Waller, Robert R. | 1986 | E | Coleman, D. Jackson |
| 1983 | D | Arentsen, Juan J. | 1986 | E | Foster, C. Stephen |
| 1983 | E | Boume, William M. | 1986 | E | Gaasterland, Douglas E. |
| 1983 | E | Bullock, John D. | 1986 | A | Guyton, David L. |
| 1983 | E | Burde, Ronald M. | 1986 | E | Meyer, Roger F. |
| 1983 | E | Flynn, John T. | 1986 | E | Minckler, Donald S. |
| 1983 | A | Kelley, James S. | 1986 | A | Mindel, Joel S. |
| 1983 | E | Metz, Henry S. | 1986 | R | Quigley, Harry A. |
| 1983 | R | Pruett, Ronald C. | 1986 | E | Schocket, Stanley S. |
| 1983 | E | Shields, M. Bruce | 1986 | R | Sevel, David (D) |
| 1983 | D | Smolin, Gilbert | 1986 | A | Yannuzzi, Lawrence A. |
| 1983 | A | Sommer, Alfred | 1987 | E | Godfrey, William A. |
| 1983 | E | Wilson, Fred M., II | 1987 | E | Heckenlively, John R. |
| 1983 | E | Wilson, R. Sloan | 1987 | E | Jampol, Lee M. |
| 1983 | D | Wirtschafter, Jonathan D. | 1987 | D | Lahav, Moshe |
| 1984 | E | France, Thomas D. | 1987 | A | Mazow, Malcolm L. |
| 1984 | A | Friedman, Alan H. | 1987 | E | Tso, Mark O.M. |
| 1984 | D | Frueh, Bartley R. | 1988 | A | Augsburger, James J. |
| 1984 | E | Jakobiec, Frederick A. | | | |

1988	A	Char, Devron H.	1991	A	Townsend, William M.
1988	A	Eagle, Ralph C., Jr.	1991	A	Wilensky, Jacob T.
1988	A	Liesegang, Thomas J.	1992	A	Bateman, J. Bronwyn
1988	E	Small, Robert G.	1992	A	Clarkson, John
1988	E	Van Buskirk, E. Michael	1992	E	Forster, Richard K.
1989	A	Alvarado, Jorge A.	1992	A	Klein, Ronald
1989	H	Ashton, Norman (D)	1992	A	Nirankari, Verinder S.
1989	E	Berler, David K.	1993	A	Harris, Gerald J.
1989	D	Friedlaender, Mitchell H.	1993	A	Klein, Barbara E. K.
1989	E	Kass, Michael A.	1993	A	Lakhanpal, Vinod
1989	A	Lemp, Michael A.	1993	A	Meredith, Travis A.
1989	A	Lewis, Richard Alan	1993	A	Sieving, Paul A.
1989	A	Robin, Alan L.	1993	R	Stem, George
1989	A	Sugar, Alan	1994	A	Bartley, George B.
1989	A	Taylor, Hugh R.	1994	A	Caprioli, Joseph
1989	A	Waring, George O.	1994	A	Cibis, Gerhard W.
1989	A	Yee, Robert D.	1994	A	Donshik, Peter C.
1990	A	Berson, Eliot L.	1994	A	Feman, Stephen S.
1990	E	Biglan, Albert W.	1994	A	Meyers, Sanford M.
1990	E	Hull, David S.	1994	A	Ritch, Robert
1990	A	Kaufman, Paul L.	1995	A	Beauchamp, George R.
1990	R	Langston, Deborah Pavan	1995	R	Benson, William
1990	A	Lindstrom, Richard L.	1995	A	Day, Susan H.
1990	A	McCulley, James P.	1995	A	Gardner, Thomas W.
1990	D	O'Day, Denis	1995	A	Jabs, Douglas A.
1990	A	Rao, Narsing A.	1995	r	Katz, Barrett
1991	A	Haik, Barrett G.	1995	D	Kennedy, Robert H.
1991	A	Iliff, Nicholas T.	1995	A	Nelson, J. Daniel
1991	E	Kreiger, Allan E.	1996	A	Elman, Michael J.
1991	A	Miller, Marilyn T.	1996	A	Ferris, Frederick L.
1991	A	Sergott, Robert C.	1996	A	Gottsch, John D.

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|------|---|-------------------------|------|---|------------------------|
| 1996 | A | Haller, Julia A. | 1999 | A | Mets, Marilyn B. |
| 1996 | A | Holland, Edward J. | 1999 | E | Rich, Larry F. |
| 1996 | A | Koch, Douglas D. | 1999 | A | Schanzlin, David J. |
| 1996 | A | Merriam, John C. | 1999 | A | Schwab, Ivan R. |
| 1996 | A | Parrish, Richard K., II | 1999 | A | Weakley, David R., Jr. |
| 1996 | A | Pulido, Jose S. | 1999 | A | Wright, Kenneth W. |
| 1996 | A | Stager, David R., Sr. | 2000 | R | Apple, David (D) |
| 1996 | A | Summers, C. Gail | 2000 | A | Blair, Norman P. |
| 1996 | A | Van Meter, Woodford S. | 2000 | A | Mannis, Mark J. |
| 1997 | E | Caldwell, Delmar R. | 2000 | A | Nork, T. Michael |
| 1997 | A | Horton, Jonathan C. | 2000 | A | Parver, Leonard M. |
| 1997 | A | Mieler, William F. | 2000 | A | Runge, Paul E. |
| 1997 | E | Pollard, Zane F. | 2000 | A | Schein, Oliver D. |
| 1997 | A | Steinert, Roger | 2000 | A | Shields, Carol L. |
| 1997 | A | Tornambe, Paul E. | 2000 | E | Vine, Andrew K. |
| 1997 | A | Van Newkirk, Mylan R. | 2000 | A | Wilhelmus, Kirk R. |
| 1998 | A | Bobrow, James C. | 2001 | A | Cantor, Louis B. |
| 1998 | A | Flach, Allan J. | 2001 | A | Good, William V. |
| 1998 | A | Frank, Robert N. | 2001 | A | Humayun, Mark S. |
| 1998 | A | Gragoudas, Evangelos S. | 2001 | A | Jampel, Henry D. |
| 1998 | A | Grossniklaus, Hans E. | 2001 | A | Weinreb, Robert N. |
| 1998 | A | Mills, Richard P. | 2002 | A | Elnor, Susan G. |
| 1998 | A | Mitchell, Paul R. | 2002 | A | Elnor, Victor M. |
| 1998 | A | O'Neill, John F. | 2002 | A | Puro, Donald G. |
| 1998 | A | Sadun, Alfredo A. | 2002 | A | Wilson, David J. |
| 1998 | A | Small, Kent W. | 2002 | A | Wilson, M. Roy |
| 1999 | A | Asbell, Penny A. | 2002 | A | Wilson, Steven E. |
| 1999 | A | Brown, Gary C. | 2003 | A | Abbott, Richard L. |
| 1999 | A | Gross, Ronald L. | 2003 | A | Chan, Chi-Chao |
| 1999 | R | Kivlin, Jane | 2003 | A | Erie, Jay C. |
| 1999 | A | Ludwig, Irene H. | 2003 | A | Grand, M. Gilbert |

2003	A	Rapuano, Christopher J.	2006	A	Durrie, Daniel S.
2003	A	Rogers, Gary L.	2006	A	Gelender, Henry
2003	A	Schwartz, Daniel M.	2006	A	Johnson, David A.
2003	A	Stone, Edwin M.	2006	A	Kaushal, Shalesh
2003	A	Thompson, John T.	2006	A	McLeod, Stephen D.
2003	A	Zarbin, Marco A.	2006	A	Morrison, John C.
2004	A	Feldon, Steven E.	2006	A	Sherwood, Mark
2004	A	Han, Dennis P.	2006	A	Spencer, Rand
2004	A	Lawrence, Mary Gilbert	2006	A	Stout, Timothy
2004	A	Paysse, Evelyn A.	2007	A	Archer, Steven M.
2004	A	Traboulsi, Elias I.	2007	A	Brodsky, Michael
2004	A	Wilson, M. Edward, Jr.	2007	A	Buckley, Edward G.
2004	A	Young, Terri L.	2007	A	Coleman, Anne Louise
2005	A	Chew, Emily Y.	2007	A	Dana, Reza
2005	A	Cioffi, George A. (Jack)	2007	A	Holland, Gary N.
2005	A	Coats, David K.	2007	A	Huang, Andrew
2005	A	Donahue, Sean Parnell	2007	A	Levin, Leonard A.
2005	A	Goldbaum, Michael H.	2007	A	Newman, Steven A.
2005	A	Hersh, Peter S.	2007	A	Parke, David W., II
2005	A	Johnson, Mark W.	2007	A	Reynolds, James D.
2005	A	Liu, Donald	2007	A	Schaefer, Daniel P.
2005	A	McDonald, Marguerite	2007	A	Simon, John W.
2005	A	Packer, Samuel	2007	A	Terry, Mark A.
2005	A	Schubert, Hermann D.	2007	A	Tyschen, R. Lawrence
2005	A	Sebag, Jerry	2007	A	Wallace, David K.
2005	A	Tse, David T.	2007	A	Weiss, Jayne S.
2005	A	Yeatts, R. Patrick	2007	A	Woog, John J.
2006	A	Azar, Dimitri T.	2008	A	Alfonso, Eduardo C.
2006	A	Black, Bradley C.	2008	A	Allingham, R. Rand
2006	A	Blomquist, Preston H.	2008	A	Budenz, Donald L.
2006	A	Chodosh, James	2008	A	Fish, Gary Edd

2008	A	Fraunfelder, Frederick W.	2010	A	Kikkawa, Don O.
2008	A	Kinyoun, James L.	2010	A	Miller, Joseph M.
2008	A	Macsai, Marian S.	2011	A	Adelman, Ron Afshari
2008	A	Miller, Joan W.	2011	A	Edward, Deepak P.
2008	A	Olsen, Timothy W.	2011	A	Francis, Peter J.
2008	A	Ravin, James G.	2011	A	Goldberg, Robert A.
2008	A	Schuman, Joel S.	2011	A	Kerr, Natalie C.
2008	A	Tsai, James C.	2011	A	Manche, Edward E.
2009	A	Chen, Teresa C.	2011	A	Pepose, Jay S.
2009	A	Cohen, Elisabeth J.	2011	A	Siatkowski, R. Michael
2009	A	Holz, Eric R.	2012	A	Baudouin, Christophe
2009	A	Kaiser, Peter K.	2012	A	Davis, Janet L.
2009	A	Netland, Peter Andreas	2012	A	Esmali, Biti
2009	A	Zacks, David N.	2012	A	Kim, Judy E.
2010	A	Browning, David J.	2012	A	Kinoshita, Shigeru
2010	A	Chow, Alan Y.	2012	A	Krueger, Ronald Robert
2010	A	Hartnett, Mary Elizabeth	2012	A	Lueder, Gregg T.

Officers and Council

OFFICERS

There are three officers of the Society: the president and executive vice president (Table 3) and the editor of the *Transactions* (Table 16).

President

The president presides at all Society meetings and acts as an ex-officio member of the Council. The president is not eligible for reelection to the same office once his or her term ends.

Executive Vice President

The executive vice president (EVP), a salaried position, keeps the minutes and is in charge of the Society's finances. The EVP also acts as an ex-officio member of the Council. The EVP's term may be renewed to a maximum of ten years.

Both offices of the president and executive vice president serve for a one-year term and are nominated by the Council and elected by a vote of the Society at the executive session of each Annual Meeting to manage the affairs of the Society during the interim and to serve at its ensuing Annual Meeting.

Editor of the *Transactions*

See the *Transactions* section for a description of this office and associated biographies and tables.

Table 3. Officers 1990–2014

Year¹	President	Vice President/ President-Elect²	Secretary-Treasurer/ Executive Vice President³
1990	R. E. Kennedy	F. C. Blodi	W. B. Anderson, Jr.
1991	F. C. Blodi	T. P. Kearns	W. B. Anderson, Jr.
1992	T. P. Kearns	B. R. Straatsma	W. B. Anderson, Jr.
1993	B. R. Straatsma	R. B. Welch	W. B. Anderson, Jr.
1994	R. B. Welch	B. E. Spivey	W. B. Anderson, Jr.
1995	B. E. Spivey	S. M. Truhlsen	W. B. Anderson, Jr.
1996	S. M. Truhlsen	W. H. Spencer	W. B. Anderson, Jr.
1997	W. H. Spencer	W. R. Green	W. B. Anderson, Jr.
1998	W. R. Green	W. S. Tasman	W. B. Anderson, Jr.
1999	W. S. Tasman	W. B. Anderson, Jr.	C. P. Wilkinson
2000	W. B. Anderson, Jr.	P. R. Lichter	C. P. Wilkinson
2001	P. R. Lichter	R. C. Drews	C. P. Wilkinson
2002	R. C. Drews	M. T. Miller	C. P. Wilkinson
2003	M. T. Miller	F. A. Gutman	C. P. Wilkinson
2004	F. A. Gutman	J. B. Crawford	C. P. Wilkinson
2005	J. B. Crawford	D. M. Albert	C. P. Wilkinson
2006	D. M. Albert	J. G. Clarkson	C. P. Wilkinson
2007	J. G. Clarkson	D. B. Jones	C. P. Wilkinson
2008	D. B. Jones	S. H. Day	T. J. Liesegang
2009	S. H. Day		T. J. Liesegang
2010	C. P. Wilkinson		T. J. Liesegang

¹ The year indicates the meeting at which the office was occupied, not the year of election.

² In 1998, the Council directed that the position of vice president be renamed as the president-elect in the Bylaws. The name change seems to more accurately reflect that the vice president became president the following year. In 2007, the Council directed that the office of president-elect be eliminated. This change appears to have been implemented in 2009.

³ The Council directed that the title of secretary-treasurer be changed to executive vice president in 2007 due to the fact that the Council felt that the secretary-treasurer position functioned more like an executive vice president (EVP) and the title should more accurately reflect the oversight work done by this position. The title of secretary-treasurer was considered to be an “old fashioned name” and the EVP a more current designation. Thomas J. Liesegang is the only member to have held the renamed office starting in 2008.

2011	L. M. Jampol	T. J. Liesegang
2012	D. D. Koch	T. J. Liesegang
2013	R. K. Parrish II	T. J. Liesegang
2014	H. E. Grossniklaus	T. J. Liesegang

COUNCIL

The Council was first appointed by the president at the 50th meeting in 1914. It manages the affairs of the Society and has the power and authority under applicable law of a board of directors. The Council is composed of five appointed active members, one of whom is appointed annually by the Council to serve for a term of five years. This new member cannot have served in that capacity previously. The Council chair is the senior member in terms of service and performs the duties of the president when the president is absent or otherwise unable to serve, until a successor has been chosen. The president, executive vice president, and editor of the *Transactions* are ex-officio additional Council members (Table 4).

The Council establishes membership initiation fees, which are added to the Endowment Fund.

The Council first published a member newsletter in March 2007 and continues to publish the newsletters twice a year, highlighting Society activities, making announcements, and encouraging participation in leadership positions and at the Annual Meeting. All newsletters are available on the members-only section of the AOS website at <http://www.aosonline.org/membersonly/newsletters.html>. The Council also produces white papers based on the topics of the Knapp Symposium.

Table 4. Council Members 1990–2014

Year	Council Chair	Council Members
1990	Bradley R. Straatsma	Spivey, Truhlsen, Gass, R. D. Richards
1991	Bruce E. Spivey	Truhlsen, Gass, Richards, W. R. Green
1992	Stanley M. Truhlsen	Gass, Richards, Green, R. C. Drews
1993	J. Donald M. Gass	Richards, Green, Drews, G. W. Weinstein
1994	Richard D. Richards	Green, Drews, Weinstein, P. Lichter
1995	W. Richard Green	Drews, Weinstein, Lichter, H. M. Freeman

Table 4. Council Members 1990–2014 (continued)

Year	Council Chair	Council Members
1996	Robert C. Drews	Weinstein, Lichter, Freeman, M. T. Miller
1997	George W. Weinstein	Lichter, Freeman, Miller, F. A. Gutman
1998	Paul R. Lichter	Freeman, Miller, Gutman, M. L. Rubin
1999	H. MacKenzie Freeman	Miller, Gutman, Rubin, D. M. Albert
2000	Marilyn T. Miller	Gutman, Rubin, Albert, J. G. Clarkson
2001	Froncie A. Gutman	Rubin, Albert, Clarkson, D. B. Jones
2002	Melvin L. Rubin	Albert, Clarkson, Jones, S. H. Day
2003	Daniel M. Albert	Clarkson, Jones, Day, T. Meredith
2004	John G. Clarkson	Jones, Day, Meredith, G. Bartley
2005	Dan B. Jones	Day, Meredith, Bartley, L. Jampol
2006	Susan H. Day	Meredith, Jampol, Bartley, D. D. Koch
2007	Travis A. Meredith	Bartley, Jampol, Koch, M. B. Mets
2008	George B. Bartley	Jampol, Koch, Mets, H. E. Grossniklaus
2009	Lee M. Jampol	Koch, Mets, Grossniklaus, R. P. Mills
2010	Douglas D. Koch	Mets, Grossniklaus, Mills, D. J. Wilson,
2011	Marilyn B. Mets	Grossniklaus, Mills, Wilson, J. C. Erie
2012	Hans E. Grossniklaus	Mills, Wilson, Erie, M. E. Wilson, Jr.
2013	Richard P. Mills	Wilson, Erie, Wilson, A. L. Coleman
2014	David J. Wilson	Erie, Wilson, Coleman, Van Meter

OFFICER BIOGRAPHIES (1990–2013)

Presidents

Robert E. Kennedy
Rochester, New York
94th President, 1990

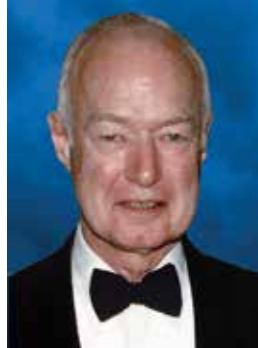


Fig 1. 1990 AOS President
Robert E. Kennedy

Born December 2, 1920, in Rochester, New York, Kennedy received an AB from the University of Rochester (1942), and an MD cum laude from the College of Medicine, Syracuse University (1945). He served as an intern/resident at the Wilmer Institute of Johns Hopkins Hospital (1945–48), with Alan C. Woods, 60th president of the Society.

He was an instructor in ophthalmology at the University of Illinois (1948–49), with William F. Hughes, 85th president of the Society. He was assistant chief of the ophthalmology section at Brooke Army Medical Center (1951–53) with the rank of captain. Starting in 1949, he served on the faculty of the University of Rochester and was named clinical professor of ophthalmology in 1972. He retired in 1991 and worked as a consultant at the Canandaigua Veteran's Administrative Hospital. He returned to Rochester where he established a private practice and served for many years with his father, Dr. E. W. Kennedy.

He was involved with several international medical relief organizations on five continents, including Care/Medico in Algeria (1964) and Afghanistan (1966) and was ophthalmological representative to the Care/Medico committee starting in 1975. He served on the ship Hope in West Africa (1966) and Brazil (1972). He served as president of the Rochester Pathological Society (1974–75). He was a member of the advisory council for ophthalmology of the American College of Surgeons (1977–83) and chair (1981–83), and he represented the advisory council for ophthalmology on the committee on ophthalmic and plastic surgery of the American

Academy of Ophthalmology (1982–84). He gave the following named lectures: McPherson (University of North Carolina, 1976), Naquin (Greater Baltimore Medical Center, 1983), Asbury (University of Cincinnati/Cincinnati Ophthalmological Society, 1985), and Hoover (Greater Baltimore Medical Center, 1987). He was a long time member of Seneca Lodge.

He served as the program chair of the AOS (1976–78) and on the Council (1978–83). He was the AOS representative to The Council of the American Academy of Ophthalmology (1985–90), and he served on the committee on programs (1990) and the committee on prizes (1999–2001). He was instrumental in establishing the Kennedy-Snell Fund.

Kennedy passed away on February 20, 2006.

Frederick C. Blodi

Iowa City, Iowa

95th President, 1991

Howe Medal, 1980

10th Verhoeff Lecture, 1989



Fig 2. 1991 AOS President
Frederick C. Blodi

Born in Mödling, a village on the border of Vienna, Austria, on January 11, 1917, Blodi received an MD degree from the University of Vienna Medical School (1940). He interned at the Vienna General Hospital, the Hospital of the City of Vienna, Lainz, and the Hospital Skodagasse (1940–43). He was a resident in ophthalmology at the First Ophthalmologic Clinic of the University of Vienna (1943–46).

Shortly before the end of the war, he was imprisoned by the Germans for medically assisting soldiers trying to escape a return to combat. Liberated by American troops, he returned to the University of Vienna as an instructor and consultant in ophthalmology to the US Army 110th General Hospital. He entered the United States in 1947 and became an American citizen in 1950, the same year he was certified by the American Board of Ophthalmology. He was a World Health Organization-sponsored research fellow at the Institute of Ophthalmology of Columbia University (1947–52). He worked with Dr. Algernon Reese, the 64th president of the Society, and together they published influential papers regarding leukocoria and retrolental fibroplasia. He became clinical assistant professor of ophthalmology at the University of Iowa (1952), chief of ophthalmology at the local Veterans Administration Hospital (1955), professor of ophthalmology (1965), and chair of the department (1967–84). He served as president of the Iowa Academy of Ophthalmology (1975). After retiring as chair, he remained active as Professor Emeritus until 1994. The university endowed a chair in his name.

He was director of medical education at the King Khaled Eye Hospital and clinical professor of ophthalmology at the King Saud University School of Medicine, Riyadh, Saudi Arabia (1985–87). He then served as medical director of the Eye Specialist Hospital (1986–87). Widely honored in international ophthalmology, he served as president of Academia Ophthalmologica Internationalis (1984–88) and

on the International Council of Ophthalmology (1986–88). He spoke several languages fluently and was invited to deliver 39 named lectures, often in the language of the host country. He received numerous awards: the Cross of Honor for Science and Art, First Class, from the Federal Republic of Austria (1984), the Honor Key of the American Academy of Ophthalmology and Otolaryngology, the Gold Medal Favarola of the Italian Ophthalmological Society, and the Chibret Gold Medal of the French and German Ophthalmological Societies. He was an honorary fellow of several national and international societies. He served on numerous committees of the American Academy of Ophthalmology and Otolaryngology and became the president of the American Academy of Ophthalmology in 1979, the first year it became an independent organization. He was a member of the American Board of Ophthalmology (1968–75) and later an influential director. He became its first foreign-born chair (1975) and a consultant to the Board (1977–81). He served as a trustee to the Association of University Professors of Ophthalmology (1975–80) and president (1981–82). He was a member of the National Advisory Council of the National Eye Institute (1981–85), the secretary for the scientific program of the XXIV International Congress of Ophthalmology (1982), and a director of the National Society to Prevent Blindness (1978–84). He was chief editor of the *Archives of Ophthalmology* (1976–84), associate editor of *JAMA*, and an editor of *Intraocular Tumors*, *Historica Ophthalmologica Internationalis*, and *Orbit*. In all, he was the editor-in-chief, an editorial advisory board member, or a consulting editor of over 30 eye journals. He had wide-ranging ophthalmic interests, especially ocular pathology and orbital and intraocular tumors, and made many contributions to ophthalmic literature. He translated Julius Hirschberg's multivolume text, *The History of Ophthalmology*, from German into English and appended a separate volume containing text and photographs of postage stamps about the eye, vision, and ophthalmology, which he had collected over many years. He authored or co-authored over 200 publications, including 14 books besides Hirschberg's history, translated from German, French, and Italian.

He was a member of the Council (1984–87) and delivered the Verhoeff Lecture at the Society's 125th anniversary meeting. He was the first foreign-born ophthalmologist to be elected president and only the third AOS member to be awarded honorary membership.

Blodi passed away in Iowa City on October 30, 1996.

Thomas P. Kearns
Rochester, Minnesota
96th President, 1992
Howe Medal, 1994



Fig 3. 1992 AOS President
Thomas P. Kearns

Born in Ravenna, Kentucky, on April 2, 1922, Kearns grew up during the Depression and worked as a grocery meat cutter to pay for his college tuition at the University of Louisville where he received a BA in 1944 and, supported by an Army scholarship, an MD in 1946. After graduation he served at Fort Riley in Kansas and rose to the rank of Captain. He interned at St. Joseph's Infirmary, Louisville, and followed with a fellowship in ophthalmology at the Mayo Graduate School (1949–52). He received the MSc (ophthalmology) degree from the University of Minnesota (1952).

He became an instructor in ophthalmology at Mayo Graduate School (1954) and later attained the rank of professor of ophthalmology (1972). He was named the Fred C. Andersen Professor of Ophthalmology (1982). He retired from the Mayo Clinic in 1987. His major clinical interest was neuro-ophthalmology, and his writings focused on that topic.

He was a founding member of the American Eye Study Club (1956), a faculty member of the Lancaster Course in Ophthalmology (1963–70), a member of the Ophthalmological Society of the United Kingdom (1970–85), and a member of the residency review committee of the American Medical Association (1976–83). He served as vice president (1967–68) of the Minnesota Academy of Ophthalmology and Otolaryngology, director (1976–83) and vice chair (1983) of the American Board of Ophthalmology, and on the board (1981–87) and president (1986) of the American Academy of Ophthalmology. His many “firsts” in medicine include: describing the prototypical mitochondrial myopathy, the first histological description of fat embolism to the retina (1956), the discovery and description of the retinal manifestations of carotid occlusive disease (1963), the initial demonstration by fluorescein angiography of the ocular effects of chloroquine (1966), the seminal report

of vitreous deposits associated with reticulum cell sarcoma of the brain (1969), and the first report of computed tomography in ophthalmology (1974). In 1958, with Dr. George P. Sayre at the Mayo Clinic, he described the syndrome of retinal pigmentary degeneration, ophthalmoplegia, and heart block, now known as Kearns-Sayre syndrome and the topic of his thesis for the American Ophthalmological Society in 1965.

He was the 7th editor of the *Transactions* (1973–79) and the 15th secretary-treasurer (1981–89). He served on the committee on publications (1981–88), the committee on programs (1992), and was the first chair of the committee on emeriti (1994–95)

Kearns passed away in Rochester, Minnesota, on March 6, 2011.

Bradley R. Straatsma
Los Angeles, California
97th President, 1993
Howe Medal, 1992



Fig 4. 1993 AOS President
Bradley R. Straatsma

Straatsma graduated from Yale University School of Medicine, completed his residency at Harkness Eye Institute of Columbia University, and did fellowships at the Armed Forces Institute of Pathology and the Wilmer Institute at the Johns Hopkins University.

In 1959, he commenced appointment as associate professor and chief of the Division of Ophthalmology at the University of California, Los Angeles (UCLA). He was appointed professor (1962), the first director of the Jules Stein Eye Institute (1964), and the first chair of the Department of Ophthalmology (1968). He retained these positions until stepping down in 1994. Within two years after arriving at UCLA, Straatsma's discussions with Dr. Jules Stein, Founding Chair of MCA, Inc., and an ophthalmologist, led to Dr. Stein's pledge of financial support for construction of the Jules Stein Eye Institute. This world-class facility opened in 1966; its facilities were enlarged with the dedication of the Doris Stein Eye Research Center in 1989 and further expanded with construction in 2012–13 of the Edie and Lew Wasserman Eye Research Center.

His leadership positions include president, Association of University Professors of Ophthalmology; president, American Academy of Ophthalmology and Otolaryngology; chair, American Board of Ophthalmology; president, Pan-American Association of Ophthalmology; president, Academia Ophthalmologica Internationalis; and editor-in-chief, *American Journal of Ophthalmology*. Straatsma has presented more than 50 distinguished lectures, including the Edward Jackson Lecture at the American Academy of Ophthalmology. He has published more than 575 scientific publications primarily focused on retinal disease and ophthalmic oncology. He has received over 75 honors and awards, including the Columbia University Doctor of Science, Honoris Causa; American Academy of Ophthalmology Laureate

Award; American Ophthalmological Society Lucien Howe Medal; Asia-Pacific Academy of Ophthalmology Gold Jose Rizal Medal; Middle East African Council of Ophthalmology Prince Abdulaziz Al Saud Prevention of Blindness Award; Pan-American Association of Ophthalmology Benjamin Boyd Humanitarian Award; and International Council of Ophthalmology Jules Francois Golden Medal and International Duke-Elder Medal.

He served as the AOS representative on the American Board of Ophthalmology (1973–80), the Council (1986–90), and the committee on programs (1993) and as parliamentarian (2009, 2011).

Robert Bond Welch
Baltimore, Maryland
98th President, 1994



Fig 5. 1994 AOS President
Robert B. Welch

Born in Baltimore on May 24, 1927, and raised in Annapolis, Maryland, Welch received an AB from Princeton in 1949 and an MD from Johns Hopkins in 1953. He interned in Internal Medicine at Duke Hospital (1953–54) and completed his ophthalmology residency at the Wilmer Institute (1954–57). A retina fellowship included three months with Dr. Dohrmann Pischel, 75th president of the AOS, and a year with Dr. Charles Schepens (1958–59). He returned to Wilmer as chief resident from January to July 1959.

He was appointed co-director of the Retina Service at Wilmer in July 1959. He continued in this position until 1985 when he became chair of the Department of Ophthalmology at Greater Baltimore Medical Center (GBMC). In 1991, he retired from GBMC and returned to a part-time private practice in Annapolis. He was active in residency teaching and training not only at Wilmer and GBMC but as retinal consultant to the US Public Health Service Hospital in Baltimore (1960–81), the Bethesda Naval Medical Center (1976–99), and the Walter Reed Army Medical Center in Washington (1961–2003). Clinical research interests included Pars Planitis, Sickle Cell Hemoglobin C disease, Intraocular Toxocara Canis, and Von Hippel Lindau disease.

Welch was active in the American Academy of Ophthalmology Board of Councilors (1981–85) and vice president (1987–89); the Pan Pacific Surgical Association as vice president (1972–80 and 1985–88); the American Board of Ophthalmology (1977–85); the Retina Society, Charter Member (1968), vice president (1979–81), president (1981–83); and the Macula Society, Charter Member (1981). His special awards include the American Academy of Ophthalmology Honor Award (1985); the Johns Hopkins University Distinguished Alumnus Award (2001); the American Academy of Ophthalmology Guest of Honor (1999); and the Superior Civilian

Service Award, US Army (2004). In 2006, the Robert Bond Welch Professorship was established by Johns Hopkins Medicine and the Wilmer Institute. His lifelong interest in history is manifest in the commemorative publication of *The Wilmer Ophthalmological Institute 1925–2000*. He is a member of the Wilmer Advisory and the Presbyterian Eye, Ear and Throat Charity Hospital Boards. The warm welcome of his wife, Betty, to new AOS members is fondly remembered.

He served as the new-members chair (1978–80); as the assistant editor (1980–84) and editor (1985–91) of the *Transactions*; and on the committee on publications (1989–91) and the committee on programs (1994).

Bruce E. Spivey

San Francisco, California

99th President, 1995

Howe Medal, 1993



Fig 6. 1995 AOS President
Bruce E. Spivey

Born 1934, in Cedar Rapids, Iowa, Spivey received a BA from Coe College (1956) and an MD from the University of Iowa, College of Medicine (1959). He did a rotating internship at the Highland-Alameda County Hospital in Oakland, California (1960), and his residency training at the University Hospitals in Iowa (1964). He received a master's degree in ophthalmic science (1964) at the University of Iowa, a master's degree in medical education at the University of Illinois (1969), and an honorary doctorate of science from Coe College (1978).

He served in the Army (1964–66), including one year as chief of ophthalmology of the 85th Evacuation Hospital in Qui Nhon, South Vietnam, where he received the Bronze Star. He was assistant and associate professor at the University of Iowa, Department of Ophthalmology (1966–71); dean of the School of Medical Sciences, Pacific Presbyterian Medical Center at the University of the Pacific (1971–76); and chair and professor in the Ophthalmology Department and director of Medical Education at the Pacific Presbyterian Medical Center, now California Pacific Medical Center (CPMC) (1971–87). His positions include president of the board of trustees of CPMC (1976–91); president and CEO of the California Healthcare System, San Francisco (1986–92); founding CEO and executive vice president of the American Academy of Ophthalmology (AAO) (1976–92); president and CEO of Northwestern Healthcare Network and clinical professor of ophthalmology of Northwestern University (1992–97); president and CEO of Columbia Cornell Care and Network Physicians (1997–2002); clinical professor of ophthalmology for Columbia and Cornell Medical Schools (1998–2002); and secretary general (1994) and president (2006–) of the International Council of Ophthalmology (ICO). His main fields of interest are in education, medical management, electrophysiology, and strabismus.

Spivey served on a number of organizations: Board of Directors for the American Academy of Ophthalmology and Otolaryngology (1974–78) and American Academy of Ophthalmology (1978–92); secretary general of the International Congress of Ophthalmology (1978–82); president of the American Board of Medical Specialties (1980–82); member and president (1999–2001) of the Society of Medical Administrators; member of the National Eye Advisory Council (1987–92); chair of the advisory committee for the ICO (1985–94); member of the board of directors (1977) and president (1998–2003) of the Ophthalmic Publishing Company (*American Journal of Ophthalmology*); founder, secretary, and board member (1987–2007) of the Ophthalmic Mutual Insurance Company; member of the Cogan Ophthalmic History Society (1999–); president (2000–02) of the Council of Medical Specialty Societies; and MedBiquitous Consortium Board (2000–07), chair (2001). He has received over 40 medals and awards in ophthalmology and medicine; authored over 140 peer-reviewed scientific, education, and management articles; and given over 40 named lectures, including the Jackson Lecture. He founded the Pacific Vision Foundation (1977), serving as a member of the board of directors (1977–) and chair (2008). He is a cofounder of the United States–China Educational Institute (now the Wildflowers Institute) and a board member (1978–). He was a founding member of both the Foundation of the American Academy of Ophthalmology and the ICO Foundation. He serves on the boards of the Center for Macular Degeneration, University of Iowa (2003–); The Most Venerable Order of the Hospital of St. John of Jerusalem (1999–); and Helen Keller International (1999–). He is an Honorary Life Trustee of Coe College, having served on the board of trustees for over 30 years.

He served on the Council (1987–91), the committee on programs (1995), the long-range-planning committee (1997–98), and the committee on prizes (2002–04).

Stanley M. Truhlsen

Omaha, Nebraska

100th President, 1996

Howe Medal, 2001



Fig 7. 1996 AOS President
Stanley M. Truhlsen

Born in Herman, Nebraska, on November 13, 1920, Truhlsen received both his BA (1941) and his MD (1944) from the University of Nebraska. After an internship followed by a residency in pathology at Albany Hospital, he served two years in the US Air Force. He served his residency in ophthalmology (1948–1951) at Barnes Hospital in St. Louis.

Truhlsen began practicing general ophthalmology in Omaha, Nebraska, in 1951 and joined the ophthalmology faculty of the University of Nebraska College of Medicine. He was interim chair of the department (1989–90), served as president of the Ophthalmology Research Foundation, and was an emeritus clinical professor of ophthalmology upon his retirement.

He was elected a fellow of the American Academy of Ophthalmology and Otolaryngology (1951), a fellow of the American College of Surgeons (1952), and president of the American Eye Study Club (1962). He was elected to Alpha Omega Alpha (AOA) and Sigma Xi, and honored as King AKSARBEN XCI (1985). He presented instruction courses and served on the Home Study Course faculty for the AAO. He served on the AAO Insurance committee, the Public Relations Committee, and was a Pension Plan Trustee. He was editor of the *Transactions* of AAOO when its name was changed to the American Academy of Ophthalmology and selected the first Editorial Advisory Committee. He was president of the AAO (1983) and later chair of the Academy Foundation. He served on the AAO's committee for the merger with the American Association of Ophthalmology, the centennial committee, the museum committee, the oral history committee, and the Museum of Vision archives committee. He was an initial member and chaired the Senior Ophthalmologists Interest Group. He represented the AAO as a governor and chaired the advisory council and the forum committee. He served on the board

of directors of Nebraska Blue Cross–Blue Shield (1972–93), and currently serves on the board of trustees of the Omaha Home for Boys, the board of directors of the Durham Museum, and the Millard Foundation. His named lectures include the second Scobee lecture, the Asbury lecture, and the Ruedemann, Jr., lecture. His awards include the first EnergeYES award given by the Young Ophthalmologists Committee, the AAO Life Achievement Honor Award, the Alumni Achievement Award from the University of Nebraska (1986), the 1st Distinguished Alumnus Award of the UNMC Alumni Association (1989), Omaha’s Health Citizen of the Year (1989), and the Distinguished Service Award of UNMC (2003).

He was the assistant editor (1973–79) and editor (1980–83) of the *Transactions*, and he served on the Council (1988–92), committee on programs (1996), and committee on emeriti (2001–03).

William Howard Spencer

San Francisco, California

101st President, 1997

Howe Medal, 1995



Fig 8. 1997 AOS President
William H. Spencer

Born August 18, 1925, in New York City, Spencer acquired a BS in Optometry at Berkeley (1949) and his MD from the School of Medicine in San Francisco, where he also trained as an ophthalmology resident (1950–58). He completed a Heed Fellowship at the Armed Forces Institute of Pathology.

He joined the faculty of the Department of Ophthalmology at the University of California in San Francisco, where he directed the ophthalmic pathology laboratory from 1959 to 1972. He then accepted the position of medical director of the Doheny Eye Foundation at the University of Southern California, where he was primarily responsible for the design and construction of the Doheny Eye Institute. In 1975, he returned to Northern California to join the full-time faculty of the California Pacific Medical Center, where he is currently Gellert Professor of Ophthalmology.

His major clinical and research goals relate to the clinical and histological manifestations of ocular and orbital diseases. He was editor and primary author of the three-volume 3rd edition of *Ophthalmic Pathology: An Atlas and Textbook* in 1985, as well as the four-volume 4th edition in 1996. He also published numerous articles in peer-reviewed journals and was a member of the editorial boards of *Ophthalmology* and the *Archives of Ophthalmology*. He was Guest of Honor of the American Academy of Ophthalmology in 1988, where he served a six-year term as secretary for continuing education. He was a member of the program project committee of the National Institute of Neurological Diseases and Blindness at the National Institutes of Health, where he served in the Visual Sciences Study Section (1966–69). He also served as a member of the ophthalmic devices panel of the Food and Drug Administration (1978–91). He has delivered fourteen named lectures, including the Edward Jackson Memorial lecture (1978), the George De Schweinitz lecture (1981), the Jules Stein lecture (1986), and the Zimmerman lecture (1994). He was executive

director of the American Board of Ophthalmology from 1985 to 1996, where he initiated annual interim meetings and established a permanent board office in Bala Cynwyd to accommodate the growing needs of the board.

He represented the Society on the American Board of Ophthalmology (1974–82). He served on the committee on theses (1980–82), the Council (1985–89), and the committee on programs (1997).

W. Richard Green
Baltimore, Maryland
102nd President, 1998
Howe Medal, 1997

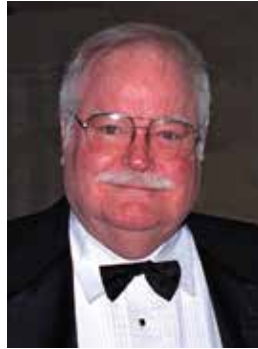


Fig 9. 1998 AOS President
W. Richard Green

Green joined Wilmer as an eye pathologist (1968) and for the next 40 years was one of the key faculty members responsible for the success and worldwide influence of both Wilmer and Johns Hopkins. He was emeritus professor of both ophthalmology and pathology at Johns Hopkins University School of Medicine and was director of eye pathology at the Wilmer Eye Institute.

His research focused on diseases of the retina and macula. He was committed to understanding the abnormalities of the eye, using the techniques of pathology and his clinical skills. His lab was known as the Big Green Machine because of the amount of new knowledge it generated, leading to numerous new medical and surgical treatments of eye diseases. He trained hundreds of residents, fellows, and colleagues in eye pathology, and the Wilmer residents confer an annual teaching award named for him. His large and meticulously catalogued collection of slides and photographs remains at Wilmer to assist the current and future staff in their research.

He published over 700 original articles and dozens of chapters and books. The W. Richard Green Eye Pathology Laboratory was named for him (1997), and an endowed professorship in his name was established at the Johns Hopkins University School of Medicine (2007). *Ophthalmology Times* designated him as one of the ten greatest living ophthalmologists in 1999. He was awarded the Arnall Patz Medal by the Macula Society (2000); the Society presents the annual W. Richard Green lecture, given by a distinguished clinician or scientist. In 2005, the journal *Retina* devoted an entire commemorative issue to him, featuring tributes written by the world's leading retinal authorities.

He served on the committee on programs (1986–90 and 1998) and as parliamentarian (2003).

Green passed away on July 8, 2010. For his burial, he was dressed with a tie of the Wilmer Institute, commemorating its 75th anniversary in 2000.

William S. Tasman
Wyndmoor, Pennsylvania
103rd President, 1999
Howe Medal, 2000



Fig 10. 1999 AOS President
William S. Tasman

Born in Philadelphia, Pennsylvania, Tasman received a BA from Haverford College and an MD from Temple University School of Medicine. In 1956, after an internship at Philadelphia General Hospital followed by one year of ophthalmology at Penn, he was drafted into the US Air Force. He returned to Wills Eye Hospital (1959) and completed an ophthalmology residency followed by a retina fellowship (1961–62) at the Massachusetts Eye and Ear Infirmary in Boston.

Tasman began practice in 1962 and still practices today. He has held several positions, including professor and chair of ophthalmology at the old Medical College of Pennsylvania, professor and chair of the Department of Ophthalmology at Jefferson Medical College, and ophthalmologist-in-chief (OIC) at Wills Eye Hospital (1985–2007). His main research interests have been in pediatric retina, and he has published numerous articles on retinopathy of prematurity and co-edited *Duane's Clinical Ophthalmology*.

He served eight years on the American Board of Ophthalmology (ABO) and as president (1991). He was president of the Retina Society (1988), the AAO (1999), and the AOS (1999). Over the last 50 years, he has helped train 157 retina fellows and over 400 residents. His honors include several named lectureships; the Jules Stein Lifetime Achievement Award; the Gold Medal from Saudi Arabia; Membership in Academia Internationalis Ophthalmologica (AIO); the AAO's Distinguished Service Award, Honor Award, Senior Honor Award, and Lifetime Achievement Award; the Charles Schepens Medal; Retina Research Foundation Award; the Marshall Parks Medal; the AMA Hektoen Medal; and the Strittmatter Medal.

Tasman was the assistant editor (1991) and editor (1992–97) of the *Transactions*. He served as an auditor (1990–91) and on the committee on theses (1990), committee on programs (1999), and committee on prizes (2003–05).

William Banks Anderson, Jr.
Durham, North Carolina
104th President, 2000



Fig 11. 2000 AOS President
W. Banks Anderson, Jr.

Born in June 14, 1931, Anderson was born one year after Duke University Hospital opened its doors. Although not then on the Duke staff, his father was its first consulting ophthalmologist. After years at Exeter and Princeton, he matriculated at Harvard Med with the class of 1956 and then returned to Durham for an internship in surgery at Duke. To satisfy a military obligation, Anderson was posted to Walter Reed Army Medical Center for six months of ENT and then sent to the Munich Army Hospital where he became the chief of the five-member EENT staff. The transition from Munich Chief to a first-year resident at Duke was eased by the circumstance that his father was then a professor and chair of the Department of Ophthalmology at Duke.

Anderson was appointed assistant professor of ophthalmology (1962), professor (1976), and acting department chair (1991–92) at Duke. During his first years, he focused on retinal surgery as he had mastered the indirect ophthalmoscope. From early on, his surgical practice spanned most of the specialty, including corneal transplants, squints, dacryocystorhinostomies, and orbital exenterations as well as standard cataract and glaucoma procedures. As subspecialists joined Duke, the focus of his practice narrowed. Until his retirement in 2006, he took a special interest in the management of the retinal complications of diabetes.

He served as director for the American Board of Ophthalmology (1986–93) and chair of the admissions committee (1992); trustee of the American Academy of Ophthalmology (1985–89) and chair of the residency review committee of the ACGME (1989–92); all offices of the North Carolina state eye society, including councilor to the Academy; and chair of the retirement committee of the Duke Private Clinics (1990–2001). He currently serves as an assistant editor of *SCOPE*, an Academy publication.

He served on the committee on theses (1981–83), committee on new members (1984–86), committee on programs (1990–98, 2000), and committee on emeriti (2009–12), as the assistant editor of the *Transactions* (1986–89) and as secretary-treasurer (1990–98).

Paul R. Lichter

Ann Arbor, Michigan

105th President, 2001

Howe Medal, 2008



Fig 12. 2001 AOS President
Paul R. Lichter

Born in Detroit, Michigan, Lichter obtained his undergraduate and medical degrees and did his ophthalmology residency at the University of Michigan. He then completed a fellowship in glaucoma under the late Robert N. Shaffer, MD, at the University of California, San Francisco.

Following two years of service at Bethesda Naval Hospital, Lichter joined the faculty of the Department of Ophthalmology at the University of Michigan as an assistant professor and founding director of the Glaucoma Service. In 1978, Lichter was appointed as professor and chair of the department and, later, director of the W. K. Kellogg Eye Center. With space provided by two new buildings for which he raised significant funds, Lichter grew the department to 85 faculty and more than 300 staff by the time he completed his chair in early 2012. Lichter chaired the recently completed Collaborative Initial Glaucoma Treatment Study (CIGTS), a 14-center clinical trial sponsored by the National Eye Institute (NEI). CIGTS is continuing to analyze and publish its data comparing, in newly diagnosed patients with open-angle glaucoma, the effect of initial medication versus initial filtering surgery on visual function and quality of life. Lichter also has a research interest in physician-industry relationships and currently is chair of his medical school's Clinical and Educational Conflict of Interest Committee.

Lichter is the author of over 230 publications and has delivered 40 named lectures, including the 50th Edward Jackson Memorial Lecture. He is a past recipient of the Heed Award and received the Special Recognition Award from the American Academy of Ophthalmology (2012). He is the current president of Academia Ophthalmologica Internationalis and served as the 100th president of the American Academy of Ophthalmology (1996); past president of the Association of University Professors of Ophthalmology, Pan-American Association of Ophthalmology, and

the Society of Heed Fellows; past chair of the American Board of Ophthalmology; and former director of the Heed Ophthalmic Foundation. He is the former editor-in-chief of *Ophthalmology* and current associate editor of the *American Journal of Ophthalmology*. He and his wife were largely responsible for the selection of much of the collection of art that adorns the Kellogg Eye Center.

Lichter served on the Council (1994–98), committee on theses (1990–92), committee on programs (2001), and committee on prizes (2010–12).

Robert C. Drews
Clayton, Missouri
106th President, 2002



Fig 13. 2002 AOS President
Robert C. Drews

Born in 1930 of Leslie C. Drews, MD, who coveted his own AOS membership, and Sarah Drews in St. Louis, Missouri, Drews attended Washington University and Washington University School of Medicine. He completed a residency in ophthalmology at Washington University School of Medicine with an NIH research fellowship.

He served at the US Naval Hospital Great Lakes with commendation. He then returned to private practice. He is currently professor emeritus of Clinical Ophthalmology and Visual Science, Washington University School of Medicine.

He is a past president of the American Society of Cataract and Refractive Surgery, the International Intraocular Implant Club, and the Pan-American Association of Ophthalmology. He is a member of the National Council, Washington University School of Medicine; the Alumni Board of Governors, Washington University; the St. Louis Society for the Blind and Visually Impaired; and the Bethesda Health Group. He has served on 33 boards, including the board of trustees of Washington University and the American Board of Ophthalmology. He has received the Second Century Award, Washington University School of Medicine. He has received 12 medals and given 11 named lectures.

He served on the Council (1992–96), committee on programs (2002), and committee on emeriti (2007–08).

Marilyn T. Miller
Chicago, Illinois
107th President, 2003
Howe Medal, 2010



Fig 14. 2003 AOS President
Marilyn T. Miller

Born in Chicago, Illinois, in 1933, Miller received her undergraduate degree from Purdue University. She obtained her MD degree, internship, residency, and later an MS in microbiology from the University of Illinois in Chicago (UIC). She did a preceptorship at the UIC Eye and Ear Infirmary in strabismus with Dr. Martin Urist and Dr. Eugene Folk and remained on the faculty and at present is a professor of ophthalmology.

Her research in congenital anomalies and teratogens led her to Sweden where she later was awarded an honorary degree from the University of Göteborg (1998) for her involvement in clinical research in thalidomide embryopathy. Recently she has collaborated with a pediatric ophthalmologist in Brazil studying the ocular effect of misoprostol, a teratogenic drug that if taken in a certain period during pregnancy may cause Möbius syndrome.

She has visited an eye clinic in rural Abak, Nigeria, for over 25 years with a small nongovernmental organization, FOCUS, Inc. Originally, the visits were focused on treating patients, but now the role has changed to more educational areas. Recently a lectureship was created in her name by the Ophthalmologic Society of Nigeria. She was recognized for her many contributions to international service with the Humanitarian Award from the American Academy of Ophthalmology (AAO) and more recently the AAO International Blindness Prevention Award. She has been involved with many activities in the Asian Pacific region, including participating in educational programs at Aravind Hospital in Madurai where she received the Venketaswamy Oration Award and from the Asian-Pacific Academy of Ophthalmology the Jose Rizal International Award. For her work in a collaborative program between the American Academy of Pediatric Ophthalmology and Strabismus (AAPOS) and Tianjin Eye Hospital in China, she received the 2012 International

Gold Award from the Chinese Ophthalmologic Society. She has served on a number of boards including the AAO, the Advisory Committee of the World Health Organization (WHO), the Smith Kettlewell Eye Research Institute, the Bernadotte Foundation and the Advisory Board of the Foundation of the AAO. She was awarded the Howe Medal by the American Ophthalmological Society (AOS) for “distinguished service to ophthalmology” and was also on the AOS Council; she was the first woman president of this organization. She is a Charter Member of AAPOS and had the honor of serving AAPOS as their first woman president, a member of its board, and chair of their international affairs committee. She was honored with the Lifetime Achievement Honor Award and the Marshal Park Bronze and Silver Medal from AAPOS and has given both the Costenbader and Scobee lecture.

She served on the Council (1996–2000), as the ICO representative (2010–13), and on the committee on prizes (2012–13).

Froncie A. Gutman
Cleveland, Ohio
108th President, 2004



Fig 15. 2004 AOS President
Froncie A. Gutman

A native of Fort Wayne, Indiana, Gutman received his bachelor of science undergraduate degree from Purdue University. He completed medical school and his residency in ophthalmology at the University of Michigan Medical School.

Following a postgraduate fellowship in vitreoretinal disease at the Bascom Palmer Eye Institute, Gutman was appointed director of the ophthalmology program at Emory University School of Medicine (1965–67). Following two years of military service as assistant chief of army ophthalmology at Walter Reed General Hospital in Washington, DC, he served as chair of the Ophthalmology Department at the Cleveland Clinic Foundation (1969–92). His clinical research focused on medical retinal disease. He is currently a member of the emeritus staff at the Cleveland Clinic Foundation.

Gutman's national offices and positions have included president of the American Academy of Ophthalmology, trustee and chair of the Foundation of the American Academy of Ophthalmology, director and chair of the American Board of Ophthalmology, vice president of the Pan-American Association of Ophthalmology, and director and executive secretary of both the Heed Ophthalmic Foundation and the Society of Heed Fellows. Gutman has authored over 80 professional scientific publications and has been awarded the Beem-Fisher Award from the Chicago Ophthalmological Society, the William H. Havener Award for excellence in ophthalmology from the Ohio Ophthalmological Society, and Senior Honor Award from the American Academy of Ophthalmology.

He served on the Council (1997–2001), committee on prizes (1991–92), and committee on emeriti (2013–).

J. Brooks Crawford
San Francisco, California
109th President, 2005



Fig 16. 2005 AOS President
J. Brooks Crawford

Born in San Francisco on August 2, 1933, Crawford received a bachelor of engineering degree from Yale University (1955), where he rowed on the varsity crew and was a member of the Sigma Xi and Tau Beta Pi honorary scientific societies, and an MD from the University of California-San Francisco (1960), where he was a member of Alpha Omega Alpha and the Gold Headed Cane honorary societies. He was a surgical intern at Columbia Presbyterian Hospital in New York City and a resident in ophthalmology at the University of California San Francisco. He spent two years as a clinical associate at the National Institutes of Health and was a lieutenant commander in the US Public Health Service. He completed a one-year fellowship in ophthalmic pathology at the Armed Forces Institute of Pathology.

He returned to San Francisco where he ran a comprehensive ophthalmology practice, eventually retiring in 2013. He has been on the faculty of that UCSF Department of Ophthalmology since 1967 and has been director of the Eye Pathology Laboratory since 1972. He became an associate clinical professor in 1976 and a clinical professor in 1984. He was director of the eye pathology section of the Stanford Basic Science course in ophthalmology (1971–79) and chief of ophthalmology at Children's Hospital in San Francisco (1978–92). His research interests relate to ocular pathology, especially pigmented tumors of the conjunctiva and uvea. He has over ninety publications in the scientific literature, including fourteen book chapters. These include the first report of the histopathology of posterior chamber intraocular lenses in humans, the histopathology of choroidal melanomas treated with helium ion radiation, and the first series of combined nevi of the conjunctiva.

He served on the board of directors of the American Board of Ophthalmology (1986–93), chair (1993); on the program advisory committee of the American Academy of Ophthalmology (1987–97), chair and associate secretary (1993–97);

and on the editorial board of *Ophthalmology*. He has been president of the Frederick C. Cordes Eye Society, the Verhoeff-Zimmerman Eye Pathology Society, and the Northern California Society for the Prevention of Blindness. He has also cared for patients from Eye Care America and the San Francisco Free Clinic. He was on the board of directors of the Town School in San Francisco. His named lectures include the Hogan Lecture (Cordes Eye Society), the Zimmerman Lecture (American Academy of Ophthalmology), the Asbury Lecture (University of Cincinnati), and the Taylor Smith Lecture (Aspen Retinal Detachment Society). His awards include the Town School Distinguished Alumnus Award; the Senior Honor Award of the American Academy of Ophthalmology; the Charlotte Baer Memorial Award (UCSF Clinical Faculty); the Crowell Beard Award (twice; given by the UCSF residents for teaching); and Alumnus of the Year, UCSF School of Medicine (2010). He was guest of honor at the Japanese Ophthalmic Pathology Society (1998) and the European Ophthalmic Pathology Society (2003).

He served as assistant editor (1993–97) and editor (1998–2002) of the *Transactions*, and on the committee on prizes (2009–11).

Daniel Myron Albert
Madison, Wisconsin
110th President, 2006
Howe Medal, 2007



Fig 17. 2006 AOS President
Daniel M. Albert

Born December 19, 1936, in Newark, New Jersey, Albert received a BS (1958) from Franklin and Marshall College (cum laude) and an MD (1962) from the University of Pennsylvania, where he also completed his internship (1962–63) and residency (1963–66) in ophthalmology. He completed research fellowships in pathology at the National Institutes of Health (NIH) (1966–68) and the Armed Forces Institute of Pathology (AFIP) (1968–69). He obtained an MS in health administration from the University of Wisconsin-Madison (1997).

His academic appointments include assistant (1969–70), associate (1970–75), and full professor (1975–76) of ophthalmology at Yale and professor (1976–83) and David G. Cogan professor of ophthalmology (1983–92) at Harvard. He served at the University of Wisconsin (UW) as chair of the Department of Ophthalmology and Visual Sciences (1992–2002), Frederick Allison Davis Professor (1992–), Lorenz E. Zimmerman Professor (1999–), chair emeritus (2002–), and professor of pathology (affiliate) (2002–). He is the founding director (2002–) of the UW McPherson Eye Research Institute and the Retina Research Foundation Emmett A. Humble Distinguished Director (2007–). He was the director of the David G. Cogan Eye Pathology Laboratory (1976–92) and a surgeon at the Massachusetts Eye and Ear Infirmary (1984–92). His research focuses on ocular tumors, specifically retinoblastoma and melanoma, and adnexal tumors, including natural history, treatment, morphology, ultrastructure, and etiology.

From 1985–2003, he worked with the National Eye Institute's Collaborative Ocular Melanoma Study (COMS) and was the head of the COMS Pathology Center. He participated in cloning the retinoblastoma gene. He has written and lectured extensively on medical history, blogged for *Science Careers* (2009–), and contributed over 600 scientific papers, 100 chapters, and 40 texts to his fields of interest. He

serves as editor-in-chief (1994–) of the *Archives of Ophthalmology*. He is a founding member (1988–) and former president (1993–97) of the Cogan Ophthalmic History Society. His awards and honors include the Jackson Lecture (1996); Pisart Vision Award, (1997); Taylor Smith Gold Medal (2004); Albert C. Muse Prize (2006); Special Research Scholar Award (2007); Daniel M. Albert Professorship in Visual Sciences, UW-Madison School of Medicine and Public Health (2008); ARVO Gold Fellow (2009); AAO Life Achievement Honor Award (2010); Bohigian Lecture (2011); and Honored Speaker, Yale Ophthalmology Spring Symposium and Alumni Day (2012).

He served on the Council (1999–2003), committee on theses (1994–1996), and the committee on prizes (2008–2010).

John G. Clarkson
Miami, Florida
111th President, 2007



Fig 18. 2007 AOS President
John G. Clarkson

Born September 3, 1942, in Grove City, Pennsylvania, Clarkson received an undergraduate degree from Princeton University (1964) and his medical degree from the University of Miami School of Medicine (1968). He completed a surgical internship at University Hospital in Boston (1969). After serving two years in the US Army Medical Corps, he completed residency training and a medical retina fellowship at the Bascom Palmer Eye Institute (1972–75) and fellowships in ophthalmic pathology and vitreoretinal surgery at the Wilmer Eye Institute, Johns Hopkins University.

In 1975, he joined the Bascom Palmer faculty, becoming a full professor (1990) and medical director and department chair (1991). In 1995, he was appointed senior vice president for Medical Affairs and dean of the University of Miami School of Medicine. In 2006, he stepped down as dean to become the executive director of the American Board of Ophthalmology. His clinical interests have focused on retinal diseases. He participated in NIH-supported clinical trials on the natural history and treatment of retinal vein occlusions and chaired the multicenter study on Central Vein Occlusion. Trained as a vitreoretinal surgeon, Clarkson limited his practice to medical retina after becoming dean. He has served as visiting professor of ophthalmology throughout the United States, Europe, and South America, has published widely in the field, and has presented numerous named lectures.

He is a member of numerous ophthalmology organizations and has served as president of the Macula Society, chair of the American Board of Ophthalmology, and secretary-treasurer of the American Board of Medical Specialties. In Miami, he served on the boards of the Public Health Trust, the McKnight Brain Research Foundation, the Knight Foundation Community Advisory Committee, and the Bressler Prize Committee and chaired the Council of Christ the King Lutheran

Church. He currently resides in Charlotte, North Carolina, and serves as chair of the Finance Committee of the Myers Park United Methodist Church. He has received numerous awards, including the Omicron Delta Kappa and Iron Arrow Awards from the University of Miami School of Medicine; the Honor Award from the American Academy of Ophthalmology; the Patz Medal awarded by the Macula Society; the Shaler Richardson MD Service to Medicine award from the Florida Society of Ophthalmology; the “Inside Out” award from the UM Alumni Association; the Lifetime Achievement Award from the Miami-Dade County Medical Association; the Beacon Council Award from the Miami-Dade County’s Official Economic Development Partnership; the Greater Miami Chamber of Commerce Lifetime Achievement Award; the University of Miami Presidential Medal; induction into the University of Miami Medical Hall of Fame; and the Castle Connolly Lifetime Achievement Award (2012).

He served on the Council (2000–04), committee on prizes (2011–13), and committee on audits (2009–13).

Danny Brigman Jones

Frisco, Texas

112th President, 2008

Howe Medal, 2013



Fig 19. 2008 AOS President
Dan B. Jones

Jones is a native of Raleigh, North Carolina. He received his bachelor of arts degree from Duke University (1958) and Doctor of Medicine Degree from Duke University Medical School (1962). Following an internship in medicine at Duke University Medical Center and service in the US Public Health Service and Centers for Disease Control, Jones completed residency training in ophthalmology at the Bascom Palmer Eye Institute, University of Miami School of Medicine (1967–1968), and a fellowship in cornea and external diseases at Moorfields Eye Hospital and the Institute of Ophthalmology in London (1969).

He was assistant and associate professor of ophthalmology at Vanderbilt University School of Medicine (1969–72). He joined the Department of Ophthalmology at Baylor College of Medicine as associate professor (1972), was promoted to professor of ophthalmology (1978), and was appointed as chair (1981). He is currently the Sid W. Richardson Professor, Margaret Root Brown Chair of Ophthalmology, Distinguished Service Professor and Director of the Cullen Eye Institute in Baylor College of Medicine. His principal clinical and research interests are corneal and external diseases, particularly the laboratory diagnosis, medical therapy, and surgery of infectious keratitis. He is currently principal investigator of the Core Grant for Vision Research from the National Eye Institute, now in its 33rd year of funding.

Jones was formerly chair and director of the American Board of Ophthalmology; member of the board of trustees and president of the Association of University Professors of Ophthalmology; and secretary for instruction and member of the board of trustees of the American Academy of Ophthalmology. He received the Duke University School of Medicine Distinguished Alumnus Award (1988), Distinguished Faculty Member Award from Baylor College of Medicine (1996), and Life Achievement and Special Recognition Awards from the American Academy of

Ophthalmology (2003). He has authored more than 160 scientific papers and chapters and served as visiting professor throughout the United States, Canada, United Kingdom, Japan, and Australia.

He served on the Council (2001–05) and on the committee on programs (1998–2000).

Susan H. Day
San Francisco, California
113th President, 2009



Fig 20. 2009 AOS President
Susan H. Day

Born in Shreveport, Louisiana, Day spent most of her childhood in Baton Rouge before moving to New Orleans for medical school. Her education was entirely in the public school system. She received her BS (magna cum laude) from Louisiana State University in Baton Rouge and her MD (Alpha Omega Alpha) from LSU School of Medicine, New Orleans, in 1975. Her horizons shifted westward when it became evident that programs in the southeastern United States would not accept women into a surgical residency. Thus exchanging a life in Louisiana for one in San Francisco, she completed her internship at Letterman Army Medical Center and commenced her residency at Pacific Medical Center (now California Pacific Medical Center). Specialty training in pediatric ophthalmology and strabismus followed, first at Great Ormond Street Hospital for Sick Children with David Taylor (London), with further experience in Iowa (William Scott, mentor) and Washington, DC (Marshall Parks, mentor).

Day has since practiced pediatric ophthalmology and strabismus in San Francisco, with a one-year hiatus as chief of pediatric ophthalmology at King Khaled Eye Specialist Hospital, Riyadh. Her extracurricular interests have centered on professionalism/ethics and medical education. At CPMC, she has served as program director since 1996, chair since 2001, and medical director for graduate medical education since 2010. Her past areas of interest in research, performed in collaboration with scientists at the Smith-Kettlewell Eye Research Institute, centered on normal and abnormal visual development in infants.

Day served as president for the American Association for Pediatric Ophthalmology and Strabismus (2004), the American Academy of Ophthalmology (2005), and the Association of University Professors in Ophthalmology (2010). She served as chair of the Ophthalmology Residency Review Committee (2003); chair of the

board, Accreditation Council for Graduate Medical Education (2008–10); and board director for the American Board of Ophthalmology (1997–2004). Honors include the Véronneau-Troutman Award, Women in Ophthalmology (2000); Marshall Parks Silver Medal, AAPOS (2005); the Lifetime Achievement Award, AAO (2012); and the EnergEYES Award, AAO Young Ophthalmologists (2012).

She served on the Council (2002–06).

Charles P. “Pat” Wilkinson
Baltimore, Maryland
114th President, 2010



Fig 21. 2010 AOS President
Charles P. “Pat” Wilkinson

Born in Syracuse, New York, Wilkinson grew up in Norman, Oklahoma. After obtaining his BA (psychology) at Stanford University in 1962, he received his MD from the Johns Hopkins University in 1966. He then served as a house officer at Hopkins, completing his ophthalmology residency in 1970. He received vitreoretinal fellowship training at the Bascom Palmer Eye Institute (1970–71).

He subsequently joined the faculty at the University of Oklahoma, where he was a clinical professor of ophthalmology for over 15 years. Since 1992, he has served as the chair of the Department of Ophthalmology at Greater Baltimore Medical Center, and he is a professor in the Department of Ophthalmology at the Johns Hopkins University. His research interests include retinal detachment, diabetic retinopathy, macular degeneration, and evidence-based medicine.

He was president of the American Academy of Ophthalmology (AAO) in 2007 and president of the Retina Society (2004–2005). He has received the AAO Honor Award, Senior Honor Award, and Life Honor Achievement Award, and in 2003 he received an AAO Secretariat Award. He received the Heed Foundation Award (1991) and the Gertrude Pryon Award of the American Society of Retinal Specialists (2009). He was chair of the AAO Preferred Practice Patterns Retina Panel for ten years and chaired the Diabetes Section of the AAO’s Eye Care America project for a decade ending in 2010. He served as a director of the American Board of Ophthalmology (1997–2004) and was chair of that organization during the final year. He served as a member and subsequent chair of the FDA Ophthalmic Devices Panel. He was a member of the Pan-American Association of Ophthalmology Board of Trustees (2009–11), serving as secretary, English language. He has authored or co-authored over 150 manuscripts, delivered several named lectures, and participated as a visiting professor at many institutions.

He served as secretary-treasurer (1999–2007) and parliamentarian (2007). He served on the committee on new members (chair, 1996–97), committee on programs (1999–2002), committee on publications (1999–2007), and committee on audits (2010).

Lee M. Jampol
Chicago, Illinois
115th President, 2011



Fig 22. 2011 AOS President
Lee M. Jampol

Born in Jamaica, New York, Jampol received a BA from Yale College in 1965 (summa cum laude and Phi Beta Kappa) and an MD from Yale Medical School in 1969 (cum laude and Alpha Omega Alpha). He completed his internship (1969–70) and residency (1970–73) at Yale, followed by a fellowship in retinal vascular disease with Morton Goldberg at the University of Illinois Eye and Ear Infirmary (1974–75).

He served two years in the Army at Fort Meade and Walter Reed Army Hospital (1975–77). He returned to University of Illinois until moving to Northwestern University where he served as chair of ophthalmology (1983–2010) and the Louis A. Feinberg Professor (1983–). His principal interests have been inflammatory and infectious diseases of the retina, sickle cell retinopathy, and macular degeneration. In recent years, he has concentrated on the “white spot syndromes” of the retina, including multiple evanescent white dot syndrome. He has participated widely in the planning and execution of clinical trials in retina, including studies on age-related macular degeneration, diabetic retinopathy, and uveitis.

Jampol has been involved with a number of organizations, including serving on the board of trustees and as vice president of the Association for Research in Vision and Ophthalmology (ARVO) and as the chair of the board of the Heed Foundation. He has been the president of the Chicago Ophthalmological Society (1989–91) and the Macula Society (1994–96). He has received the Life Achievement Award (2009) of the American Academy of Ophthalmology and is an ARVO Gold Fellow (2010). Currently, he is a section editor for *JAMA Ophthalmology* (formerly *Archives of Ophthalmology*) and *Survey of Ophthalmology*, and he serves on the editorial board of *Retina*.

He served on the committee on theses (1999–2001), committee on membership (2003–04), the Council (2005–09), and committee on investments (2010).

Douglas D. Koch
Houston, Texas
116th President, 2012



Fig 23. 2012 AOS President
Douglas D. Koch

Born and raised in Port Huron, Michigan, Koch graduated from Amherst College, summa cum laude in 1973 (Phi Beta Kappa) and from Harvard Medical School in 1977 (Alpha Omega Alpha). He completed residency training in ophthalmology at the Cullen Eye Institute, Baylor College of Medicine (1981). He completed fellowship training in refractive and cataract surgery at Moorfields Eye Hospital in the United Kingdom and in the US under the guidance of David McIntyre, James Rowsey, and Clifford Terry.

He joined the Department of Ophthalmology at The Cullen Eye Institute, Baylor College of Medicine, in 1982. He was promoted to associate professor in 1991 and to full professor in 1998. In 1999, he received The Allen, Mosbacher, and Law Chair in Ophthalmology. He served as director of residency training (1992–96).

Koch's clinical and research interests are in cataract and refractive surgery. His primary areas of interest have included astigmatism analysis and management, corneal topography, wavefront technology, surgical techniques and prevention of complications, intraocular lens calculations, and surgical instrument design. He has given numerous named lectures, including the Kelman, Binkhorst, and Barraquer lectures at the Annual Meeting of the American Academy of Ophthalmology; the Charles Kelman Innovators Lecture at the Annual Meeting of the American Society of Cataract and Refractive Surgery; the Rayner Medal Lecture for the United Kingdom and Ireland Society of Cataract and Refractive Surgery; and the Arthur Lim Lecture of the Asia-Pacific Society of Cataract and Refractive Surgery. He served as associate editor of the *Journal of Cataract and Refractive Surgery* (1994–2001) and co-chief editor (2001–07). He is the past president of the American Society of Cataract and Refractive Surgery and of the International Intraocular Implant Club. He

is the president of the Bach Society Houston and a member of the advisory board of the Holocaust Museum Houston.

He served on the Council (2006–10), committee on new members (2003–05), committee on programs (2003–06), committee on audits (2009 and 2011), and committee on investments (2011).

Richard Kenneth Parrish II

Miami, Florida

117th President, 2013



Fig 24. 2013 AOS President
Richard K. Parrish II

A native of Decatur, Indiana, Parrish graduated from Indiana University, was elected to Phi Beta Kappa, received his Doctor of Medicine degree from Indiana University in 1977, and was elected to Alpha Omega Alpha. He completed a medicine internship at the University of Alabama and his residency at Wills Eye Hospital where he served as chief resident. From 1980 to 1982 he performed clinical and research fellowships with an interest in glaucoma at the Bascom Palmer Eye Institute.

He joined the faculty of the Bascom Palmer Eye Institute as assistant professor in 1982, was promoted to professor in 1994, and served as residency program director from 1995 through 1999. From 1996 through 1999 he was chair of the Ophthalmology Department at the University of Miami School of Medicine. He currently serves as associate dean for Graduate Medical Education at the University of Miami Miller School of Medicine, chair of the Graduate Medical Education Committee, and ACGME Designated Institutional Official for Jackson Memorial Hospital. He has a principal interest in glaucoma surgical care and was project chair of the National Eye Institute Fluorouracil Filtering Surgery Trial. He is currently a vice-chair of the Ocular Hypertension Treatment Study (OHTS) and director of the OHTS Optic Disc Reading Center.

He has been an associate editor for *American Journal of Ophthalmology* and editor of the Ophthalmology Monograph Series. He chaired the International Task Force on Medical Student Education for the International Council of Ophthalmology and the Subcommittee on Surgical Methodology of the Association of International Glaucoma Societies. He represented the United States at the Pan-American Association of Ophthalmology and has been the American Glaucoma Society Councilor to the American Academy of Ophthalmology. He has presented

the following lectures: Barnshaw (1993), Leopold (1993), Norton (1996 and 2001), Townes (1997), Demorest (1997), Schutz (1998), Hogan (1998), Schoenberg (1998 and 2003), Barnshaw (1999), Doheny (1999), Humphries (1999), Feldman (1999), King Khaled (2000), Braley (2000), Lorenzetti (2000), Arnold (2001), King (2002), and Jampel (2002). He delivered the *American Journal of Ophthalmology* lecture at the 2007 meeting of the Pan-American Association of Ophthalmology.

He served on the committee on theses (2004–06), on the committee on investments (2012), and as the 13th editor of the *Transactions* (2008–12)

Hans E. Grossniklaus

Atlanta, Georgia

118th President, 2014



Fig 25. 2014 AOS President
Hans E. Grossniklaus

Born in Massillon, Ohio, in 1955, Grossniklaus graduated from Miami University (cum laude, Phi Beta Kappa) in 1977 and received his MD from the Ohio State University in 1980, followed by residencies in ophthalmology and pathology at Case Western Reserve University, fellowships in ophthalmic pathology at the Wilmer Eye Institute and the Armed Forces Institute of Pathology, and ocular oncology training at Emory University (2007). He is board certified in ophthalmology and pathology and received an MBA at Emory.

He was appointed assistant professor at Case Western University from 1985 through 1988, and then joined the faculty at Emory University, where he is the F. Phinizy Calhoun Jr. Professor (1991–) and professor of Ophthalmology and Pathology. He has been director of the L. F. Montgomery Laboratory since 1989 where he has evaluated over 50,000 cases and is the founding director of the oncology/pathology service (2009–) where he sees patients and performs surgery. His research fields of interest are the pathobiology of choroidal neovascularization, the mechanisms of metastasis of uveal melanoma to the liver, and microtechnology for the control of ocular tumors.

He has authored over 400 papers in peer-reviewed journals and 6 books/monographs. His major research contributions include publications about the pathobiology of choroidal neovascularization (CNV), including the identification of vascular endothelial growth factor (VEGF) production by macrophages in CNV, creation of an animal model of ocular melanoma that forms micrometastasis in the liver, demonstration of liver micrometastasis in patients with uveal melanoma, and development of microtechnology for the treatment of retinoblastoma. He is the president of the American Association of Ophthalmic and Oncologic Pathologists (AAOOP) and has served on the editorial boards of five journals, including as associate edi-

tor of the *American Journal of Ophthalmology*. He has received the Emory Teacher Scholar Award; Heed Award for outstanding former Heed fellow; American Academy of Ophthalmology (AAO) Honor, Senior Achievement, and Secretariat awards; W. R. Green Lecture Award from the Macula Society; Research to Prevent Blindness Physician Scientist and Senior Scientific Investigator awards; ARVO Silver Fellow Inaugural Class; and Zimmerman Medal from the American Association of Ophthalmic Oncologists and Pathologists (AAOOP); and will deliver the 2014 Jackson Memorial Lecture at the AAO.

For the AOS he served on the committee on theses (2005–07), the committee on audits (2012), the committee on investments (2011, 2013), and the Council (2008–2014). He will serve as president during the Society's 150th Anniversary Meeting.

Executive Vice President

Thomas J. Liesegang

Jacksonville, Florida

Executive Vice President, 2008–



Fig 26. Executive Vice President
Thomas J. Liesegang

Born in Ohio, Liesegang grew up on Long Island in New York State. After receiving his undergraduate degree in biology from Providence College he completed his medical degree at New York University School of Medicine (Alpha Omega Alpha, 1970). Following an internship at Duke University he entered the US Navy where he served at the Charleston Naval Base during the Vietnam era. After the Navy service, he completed a residency at Bascom Palmer Eye Institute and then a fellowship in external ocular disease and corneal surgery at Baylor College of Medicine under the tutelage of Dan B. Jones and David Paton. He returned to Bascom Palmer as a fifth-year chief resident and junior faculty member.

He joined the Mayo Clinic in Rochester, Minnesota, in 1978 and was recruited to chair the Department of Ophthalmology at the new Mayo Clinic Florida (1986). He was chair of the Department of Ophthalmology at St. Luke's Hospital in Jacksonville until 1996. His research interests have been in the area of external ocular disease, especially infections, inflammations, and tumors, as reflected in over 300 publications. He moved through the academic ranks at Mayo Clinic College of Medicine, becoming a professor (1990), and was awarded the endowed Krueger Professorship in Ophthalmology (1997).

Having published extensively and serving on several editorial boards, Liesegang was selected as the editor-in-chief of the *American Journal of Ophthalmology* (2002–) and continues in that role. Recent research projects have been in the art of editorship, ethics in publication, and teaching scientific writing. Liesegang has been active in educational projects at the American Academy of Ophthalmology, having served in past roles as chair of the Ophthalmic Knowledge Assessment Pro-

gram (OKAP), later as Secretary for Instruction, and then on the board of trustees as the Senior Secretary of Education. His honors include the Lifetime Career Award for service to the Mayo Clinic and later for service to the Mayo Foundation, the Distinguished Service Award from the American Academy of Ophthalmology on behalf of the *American Journal of Ophthalmology*, and the Senior and Life Achievement awards from the American Academy of Ophthalmology. He has delivered 16 named lectures in his areas of research and served as visiting professor on 35 occasions at US and international academic centers.

For the AOS, Dr. Liesegang served as Editor of the *Transactions* of the AOS and later became the Executive Vice President. During this latter assignment he assisted with the committee on programs (2007–2013), served on the committee on audits (2009–14) and committee on investments (2010–14), and was the AOS representative to The Council of the American Academy of Ophthalmology (2009–14).

COUNCIL BIOGRAPHIES (1989–2013)

J. Donald M. Gass
Miami, Florida and
Nashville, Tennessee
Council, 1989–1993
Howe Medal, 1983



Fig 27. Council Member
J. Donald M. Gass

Born on Prince Edward Island, Canada, August 2, 1928, the son of a Rockefeller Foundation Public Health Service physician, Gass graduated from Vanderbilt University with a bachelor of arts degree (1950). He served in the US Navy for two years as a line officer during the Korean War. He enrolled in Vanderbilt Medical School where he was Phi Beta Kappa and graduated with a medical degree and the Founder's Medal for highest academic achievement (1957). He interned at the University Hospital, Iowa City. Following an internship, he was a resident in ophthalmic pathology at the Wilmer Eye Institute at Johns Hopkins Hospital (1958–62). He was a fellow in ophthalmic pathology at the Armed Forces Institute of Pathology (1961–62) before returning to Wilmer as chief resident (1962–63).

He became assistant professor of ophthalmology at the University of Miami Medical School and the Bascom Palmer Eye Institute and later professor (1972). He retired from Bascom Palmer in 1995 and joined the faculty at Vanderbilt where he stayed for the next decade. He was a pioneer and expert on diseases of the retina and widely honored for his clinical pathologic correlations, clinical sense, and teaching skills. At BPEI, he did clinical and scientific work combining the then-new technologies, fluorescein angiography and stereo fundus photography, with his excellent clinical powers of observation and a brilliant intellect trained to think in terms of the pathobiology and genesis of the diseases and syndromes that he saw, describing many for the first time and adding significant, often overlooked, critical insights to those previously described.

His contributions to the body of ophthalmic knowledge span retinal inflammatory and infectious diseases, degenerations and dystrophies, neoplasia, vascular

and idiopathic retinal diseases, congenital and toxic retinopathies, and the retinal complications of surgery. His monograph, "Pathogenesis of disciform detachment of the neuroepithelium" (1967) is a classic. Other publications include *Stereoscopic Atlas of Macular Diseases: A Funduscopy and Angiographic Presentation* (1970), which has gone through multiple editions, and *Differential Diagnosis of Intraocular Tumors: Stereoscopic Presentation* (1974). His named lectures include Jackson (American Academy of Ophthalmology and Otolaryngology, 1976); Krill (Chicago Ophthalmological Society, 1977); Wise (Albert Einstein School of Medicine, 1977); Goar (Houston Ophthalmological Society, 1980); Zweng (Palo Alto Ophthalmological Society, 1980); Royal College (Canadian Ophthalmological Society, 1980); O'Brien (Tulane Medical School, 1980); Kimura (University of California-San Francisco, 1980); Calhoun, Jr. (Emory University, 1981); Barlow (Johns Hopkins University, 1981); Irvine (University of Southern California, 1983); Kronfeld (University of Illinois, 1982); de Schweinitz (Section on Ophthalmology, College of Physicians of Philadelphia, 1982); Stein (University of California-Los Angeles, 1984); Fralick (University of Michigan); Cook (University of Arkansas, 1984); Simpson (Washington Hospital Center, 1985); May (Section on Ophthalmology, New York Academy of Medicine, 1985); and Schepens (Retina Society, 1986). He received the Knapp Award for best paper presented at the Section on Ophthalmology American Medical Association meeting (1966), the Hermann Wacker prize from the Club Jules Gonin (1980), both honor awards of the American Academy of Ophthalmology, the Howe Gold Medal (State University of New York at Buffalo, 1985), and the Award of Merit in Retina Research by the Retina Research Foundation (1986). Bascom Palmer Eye Institute established the J. Donald M. Gass Distinguished Chair of Ophthalmology. The Retina Society initiated the J. Donald M. Gass lectureship (2006).

He served on the American Board of Ophthalmology (1976–83) and was the AOS auditor (1996).

Gass passed away on February 26, 2005.

Richard D. Richards
Baltimore, Maryland
Council, 1990–1994



Fig 28. Council Member
Richard D. Richards

Born in Grand Haven, Michigan, in 1927, Richards attended the University of Michigan where he received a BA (1948) and an MD (1951) and was elected to AOA. He interned at the University of Iowa Hospitals, followed by a residency in the Department of Ophthalmology (1952). This was interrupted by two years of service in the US Army Medical Corps. He completed the residency in 1957, including an MSc degree.

After a year in private practice, he returned to the University of Iowa Department of Ophthalmology as an assistant professor. He left in 1960 to be professor and chair of the Department of Ophthalmology at the University of Maryland Medical School in Baltimore. His research interests centered on the effects of X-rays and oxygen free radicals on the lens. He was acting vice-dean (1989) and acting dean (1990–91) of the University of Maryland Medical School. He retired in 1992.

Richards is one of the founders of the Medical Eye Bank of Maryland and the first president. He was a member of the Southern Medical Association, serving in many positions, including president (1984). He was governor in the American College of Surgeons representing the AOS (1983–89). He served on the board of directors and as president of the Maryland Society for the Prevention of Blindness. He was a member of the AUPO and served as chair for Residency and Fellowship Education (1979–85), on the board of trustees (1984–91), and president (1991). He was on the AMA Residency Review Committee (1978–82), and chair (1983–84). He has been active in the AAO, the Association of Research in Vision and Ophthalmology (ARVO), Maryland Ophthalmological Society, and the Eye Bank Association of America.

He served as chair of the committee on programs (1982–85).

George W. Weinstein
Morgantown, West Virginia
Council, 1993–1997



Fig 29. Council Member
George W. Weinstein

Born on January 26, 1935, in East Orange, New Jersey, Weinstein received a BA in chemistry from the University of Pennsylvania and an MD at Downstate Medical Center in New York (1959). After interning at Kings County Hospital, he completed a residency at the Downstate Medical Center (1963). He had fellowships at the NIH (John Dowling), Wilmer Eye Institute (A. E. Maumenee), and Moorfields (Alan Bird and G. Arden, 1987).

He began his teaching career as a clinical instructor at Georgetown University (1963–65), followed by an assistant professorship at Johns Hopkins (1967–70). He became a chair (1970) of the division of Ophthalmology at the University of Texas, San Antonio, until it became a full department in 1978. He then became professor and chair of the Department of Ophthalmology at the University of West Virginia (1980). Shortly after entering private practice in Jacksonville, Florida, in 1996, the impact of Pick disease caused him to leave practice.

He was one of the last secretaries of the AMA Section Council on Ophthalmology (1974–78), chair of the Research Committee AUPO (1974–78), and editor-in-chief of *Ophthalmic Surgery* (1971–82). He served as secretary treasurer of the AUPO (1978–79), chair of the Residency Review Committee for Ophthalmology (1985–87), on the board of governors of the American College of Surgeons (1982–85), and as an associate examiner of the American Board of Ophthalmology. His roles within the American Academy of Ophthalmology (AAO) included the continuing education committee, inter-professional education committee, secretary for Public and Professional Information, chair of the long-range planning committee, president-elect (1990), president (1991), and chair of Organizational Design (1992). He received the AAO Honor Award (1976) and a Senior Honor Award (1986). He was inducted into the American Ophthalmological Society in 1977. His thesis was

“Clinical aspects of the visually evoked potential,” a study in normal and abnormal humans and rhesus monkeys to demonstrate the value of the VEP “to make decisions in the diagnosis and treatment of patients in whom subjective visual acuity cannot be tested.” Much of his research was in electrophysiology, and he began working with electroretinography in the early 1960s.

He served as the first chair of the athletic committee (1981). He attended his last meeting in 1998, where he discussed a paper on the control of intraocular pressure in eyes following pars plana vitrectomy and gas tamponade.

Weinstein died from prostate cancer and Pick disease in Encinitas, California, on May 12, 2007.

Hal MacKenzie Freeman

New York, NY
Council 1995–1999



Fig 30. Council Member
H. MacKenzie Freeman

Born in Edmonton, Alberta, Freeman completed his ophthalmology residency at the Illinois Eye and Ear Infirmary and then spent six years in clinical and research vitreoretinal fellowships at the Massachusetts Eye and Ear Infirmary of Harvard Medical School and the Eye Research Institute of the Retina Foundation.

He was associate clinical professor of ophthalmology at Harvard Medical School, clinical senior research scientist at the Schepens Eye Research Institute, and surgeon in ophthalmology at the Massachusetts Eye and Ear Infirmary. An expert on giant retinal tears, he operated on many and contributed enormously to the understanding of their pathogenesis, prevention, and treatment.

He was visiting professor in 22 teaching programs, lectured in 188 courses, and participated in 320 symposia in nearly every major country. He served on the editorial board of 5 ophthalmic publications and authored or co-authored 148 original papers, 43 book chapters, and 6 books, including an *Atlas of Vitreoretinal Surgery*, published in five languages. He served as president of the Schepens International Society; undersecretary, secretary, vice president, and president of the Retina Society; and secretary, vice president, president, and chief executive officer of the New England Ophthalmology Society (NEOS). The NEOS awarded him the Distinguished Achievement Award (1999) and created the Hal MacKenzie Freeman Lecture (2006). He served on the American Academy of Ophthalmology (AAO) Program Advisory Committee, as secretary for Academy Governmental Affairs, and as the first associate secretary for pre-academy subspecialty meetings. He has been honored by the Brazilian, Canadian, and Japanese Ophthalmological Societies; King Khaled of Saudi Arabia; Premier George Papadopoulos of Greece; the Wilmer Institute; the AAO (1996); The Retina Society; the Retina Society of Japan; the Brazilian Vitreoretinal Society; the Massachusetts Eye and Ear Infirmary; the Club Jules

Gonin; the Schepens Alumni Society; and the Universities of Alberta and Illinois. In 1973, he operated on members of the Royal Family of Saudi Arabia and Royal Court and was then appointed chief medical planner of the King Khaled Eye Specialist Hospital. In an effort to bring recent advances in ophthalmic care to South American eye care specialists who could not afford to travel, he initiated the first live intercontinental, interactive ophthalmic telecast to 4,400 attendees of an Annual Meeting of the Brazilian Ophthalmology Society and worked on similar telecasts to India and China.

Freeman's initial AOS thesis was rejected; however, undeterred, he revised it and became a member. While on the Council, he interviewed sixteen past chairs of the thesis committee and wrote helpful guidelines for those invited to submit a thesis. He served as the ICO Representative (1991–94).

Melvin Lynne Rubin
Gainesville, Florida
Council, 1998–2002



Fig 31. Council Member
Melvin L. Rubin

Born in San Francisco, California, in 1932, Rubin attended Lowell High School in SF (Life Member of California Scholarship Federation). He graduated from the University of California, Berkeley, in 1953, with highest honors in optometry and from medical school at the University of California, San Francisco, in 1957, with highest class standing. After a medical/neurology internship at UCSF, he completed his ophthalmology residency at the State University of Iowa Hospitals, with special training in retinal surgery with Robert Watzke. He completed an MSc in visual physiology (1961) while at Iowa.

After residency, he moved on to an administrative position at the National Institutes of Health in Bethesda, Maryland, where he served for two years as Executive Secretary of the Ophthalmology Training Grants Committee, chaired by Dr. Bernard Becker, and including Edward Norton, Kenneth Ogle, Fred Blodi, Goodwin Breinin, Bradley Straatsma, Richard Troutman, and James O'Rourke. He served clinically as attending in eye surgery at Georgetown University. He became assistant professor and chief of the Retina Service at the University of Florida College of Medicine with Dr. Herbert Kaufman (1963), professor (1968), department chair, and UF's Shaler Richardson Eminent Scholar Chair (1978). He retired from clinical practice in 1997 and continues as emeritus professor at UF in an educational and advisory capacity.

Known as a retinal physician and medical educator throughout his career, he has published over 100 scientific papers in peer-reviewed journals and seven textbooks, one of which (with Ben Milder), *The Fine Art of Prescribing Glasses Without Making a Spectacle of Yourself*, won an AMMY from the American Medical Writers Association as the best medical book of 1979. In 1965, he created and conducted the annual Ophthalmic Knowledge Assessment Program, an educational mission

examination, which has been given annually to all residents in the US and Canada for the past 45 years and is coordinated with the annual ABO Written Examination. He has been very active in most national ophthalmological organizations and has served on the board of trustees and as president of the Association of Research in Vision and Ophthalmology, on the board and as chair of the American Board of Ophthalmology, as secretary of instruction and on the board of trustees and as president of the American Academy of Ophthalmology, and as chair of the Foundation of the AAO. He has served on the editorial boards of the *AMA Archives of Ophthalmology* and the *Survey of Ophthalmology*. He has presented 130 visiting professorships and has delivered 25 named lectures. Rubin has received numerous awards and memberships in honor societies: Phi Eta Sigma, Alpha Omega Alpha, Phi Kappa Phi, and Sigma Xi. His awards include the Patron's Award of the American Board of Opticianry, the Annual Fight for Sight Citation (1970), the AAO Senior Honor Award (1986), the AAO Special Recognition Award (2010), the Statesmanship Award of the Joint Commission of Allied Health Personnel, and the Medical Achievement Award State of Florida Low Vision Committee. The Florida Society of Ophthalmology established the annual Melvin L. Rubin Lectureship to honor him for a "lifetime of achievements in professional education" (1992), and awarded him the Shaler Richardson Award for Service to Medicine (1995). The University of Florida presented him with its Lifetime Achievement Award (2012), and he received the University of California (SF) Medical Alumnus of the Year Award (2012), the highest honor given by the Medical Alumni Association. He is active on various boards of community activities, including UF's Harn Museum of Art and the UF Performing Arts Center.

He served on the committee on prizes (1997) and on the Council (1998–2002) and was the first chair of the committee on membership (2003). His contributions to AOS include helping to establish the AOS-sponsored Fellowship in Eye Pathology, initiating a new method of selecting and inviting new AOS members (with Lee Jampol), and introducing the poster session and a formal scientific symposium as part of the annual program.

Travis A. Meredith
Chapel Hill, North Carolina
Council, 2003–2007



Fig 32. Council Member
Travis A. Meredith

A native of Welch, West Virginia, Meredith attended Yale University as a National Merit scholar and received a BA in history. He received his Doctor of Medicine degree from the Johns Hopkins University School of Medicine in 1969. After an internship at Columbia Presbyterian Hospital in New York City and two years in the US Navy, he completed residency training in ophthalmology at the Wilmer Eye Institute, Johns Hopkins University School of Medicine, in 1975. He completed his training with a one-year fellowship in retinal and vitreous disease at the Medical College of Wisconsin.

He was assistant and associate professor at the Medical College of Wisconsin from 1976 to 1980. He joined the Department of Ophthalmology at Emory University in Atlanta as associate professor in 1980 and was promoted to professor in 1984. He joined the faculty at the Wilmer Eye Institute as director of the Retina and Vitreous Surgical Service in 1990 and subsequently moved to St. Louis to join the Retina Associates and the Barnes Retina Institute affiliated with Washington University. From 2000 to 2011 he was the Sterling A. Barrett Distinguished Professor of Ophthalmology and chair of the Department of Ophthalmology at the University of North Carolina. His principal clinical and research interests have been in retinal surgery and in macular disease. He is particularly interested in approaches involving clinical trials and has served on executive committees and data and safety monitoring committees of a number of trials.

Meredith has served as a visiting professor at departments throughout the United States and has lectured in Canada, the United Kingdom, China, South and Central America, Africa, the Middle East, and Europe. He has published over 150 papers, 2 books, and more than 30 chapters and has presented numerous named lectures. He is an executive editor of the *American Journal of Ophthalmology*. He

served as president of the Macula Society and president-elect of the Georgia Society of Ophthalmology. He has served the American Academy of Ophthalmology in various roles and has been awarded the Honor Award, Senior Honor Award, and Secretariat Award. He is a past president of the Association of University Professors of Ophthalmology (AUPO).

George B. Bartley
Rochester, Minnesota
Council, 2004–2008



Fig 33. Council Member
George B. Bartley

Born in Warren, Ohio, in 1955, Bartley grew up in Ohio, Indiana, and Michigan. He received his undergraduate degree (magna cum laude, Phi Beta Kappa) from Miami University (1978) and his MD (cum laude, Alpha Omega Alpha) from the Ohio State University (1981). After an internship in Columbus, Bartley pursued residency training at the Mayo Clinic followed by subspecialty training in ophthalmic plastic and orbital surgery at Wright State University.

He joined the Department of Ophthalmology at the Mayo Clinic in 1986. He was appointed department chair (1992–2001) and served in that role until he was elected to the Mayo Clinic's board of governors (2001). The following year, he was appointed as chief executive officer of the Mayo Clinic in Florida (2002). In addition to overseeing Mayo's operations in Florida, he served as the vice president for quality for the Mayo Clinic nationwide. He was appointed by Governor Jeb Bush to the Florida Council of 100, an advisory group to the governor of business leaders. In 2009, Dr. Bartley returned to his surgical practice at the Mayo Clinic in Rochester where he holds the Louis and Evelyn Krueger Professorship of Ophthalmology and serves as chair of the Doctors Mayo Society and medical director for Alumni Philanthropy. His research interests include Graves ophthalmopathy, lacrimal drainage obstruction, and tumors of the eyelids and orbit.

Bartley serves as editor-in-chief of the journal *Ophthalmology* and as a member of the board of trustees of the American Academy of Ophthalmology. He served as the editor-in-chief of *Ophthalmic Plastic and Reconstructive Surgery* and as an editorial board member of *Ophthalmology*, the *American Journal of Ophthalmology*, and the *Archives of Ophthalmology*. He was a director of the American Board of Ophthalmology (1999–2006), was president of the Cogan Ophthalmic History Society (1997–2000), and is a member of the Orbital Society. The American

Society of Ophthalmic Plastic and Reconstructive Surgery has honored Bartley with its Leadership Award, its Research Award, the Wendell Hughes Lectureship at the AAO (2008), and the Foundation Lectureship (2010). He has also received the Honor, Secretariat, and Senior Achievement awards from the American Academy of Ophthalmology.

He served as a parliamentarian (2006) and on the committee on prizes (2013).

Marilyn Baird Mets
Chicago, Illinois
Council, 2007–2011



Fig 34. Council Member
Marilyn B. Mets

A native of Barrington, Rhode Island, Mets received her BA from Wheaton College, Norton, Massachusetts, in 1969, her MS from the Harvard School of Public Health, Boston, Massachusetts, in 1972, her MD from the George Washington Medical School, Washington, DC, in 1976, and her residency training at the Cleveland Clinic (1980). Her fellowship training was in pediatric ophthalmology under Marshall Parks in Washington, DC, and in ophthalmic genetics at the Johns Hopkins University under Irene Maumenee.

Mets was an assistant professor in the Department of Ophthalmology at Rush Medical Center in Chicago (1981–83). She then joined the Department of Ophthalmology at the University of Chicago and became an associate professor (1983–1990). She joined the Department of Ophthalmology at Northwestern University in Chicago, Illinois, and the staff of Children's Memorial Hospital (1990). She became division head of ophthalmology at Children's Memorial Hospital (2000) and a full professor at Northwestern University (September 2001). Her principal clinical and research interest is pediatric ophthalmology and strabismus. Areas of special interest include the eye manifestations of congenital infections, hereditary retinal disease, and the genetics of eye disease.

She served as editor-in-chief of the American Academy of Ophthalmology (AAO) publication, *Focal Points*, (1993–97), during which time she was also an associate secretary of the AAO. She was on the board of directors of the Toxoplasmosis Research Institute (1991–98), the secretary treasurer of the American Association of Pediatric Ophthalmology and Strabismus (AAPOS) (1998–2001), on the board of directors of Women in Ophthalmology (2000–03), and on the board of directors of the National Children's Eye Care Foundation (2002–09). Mets served as a director of the American Board of Ophthalmology (2004–12), president of

the Costenbader Society (2004–08), vice president of the Children’s Eye Foundation (2006–09), and on the American Board of Medical Subspecialties (ABMS) as a member of the Committee on Oversight and Monitoring of Maintenance of Certification (COMMOC) (2006–12) and chair (2010–12). She received a Senior Achievement Award from the AAO and an honors award from AAPOS. She has published 93 peer-reviewed articles and additional chapters and abstracts.

She served on the committee on investments (2010).

Richard P. Mills
Seattle, Washington
Council, 2009–2013



Fig 35. Council Member
Richard P. Mills

Born in Evanston, Illinois, on September 13, 1943, Mills is a 1964 graduate of Yale University (BS) magna cum laude. He received his medical degree cum laude from Yale University School of Medicine in 1968 and completed an ophthalmology residency at the University of Washington, and a glaucoma fellowship at the University of British Columbia. In 1999, he was awarded a master's degree in public health at the University of Washington.

He was in private practice in Olympia, Washington, from 1973 to 1984, and then joined the University of Washington where he rose to become professor and acting chair. He was chair of the Department of Ophthalmology at the University of Kentucky, Lexington, from 1999 to 2003 before returning to Seattle in a full-time glaucoma practice. His research interests include perimetry and clinical glaucoma.

Mills has been an integral part of the American Academy of Ophthalmology's leadership for the past three decades, from serving on the board of trustees in the 1980s and 1990s as secretary for Public and Professional Information to being elected the Academy's president in 1995. His current role is the chief medical editor of *EyeNet Magazine*, for which he has written a monthly editorial for the past 11 years. He has been secretary of the American Glaucoma Society, a director of the American Board of Ophthalmology, and delegate to the American Medical Association. He has served as vice chair for the Residency Review Committee for Ophthalmology and delegate to the American Board of Medical Specialties. A principal public service activity has been with Eye Care America, the largest and longest running such project in American medicine, operated under the auspices of the Foundation of the American Academy of Ophthalmology. He currently serves as chair of the project, with a term ending in 2013. He has also twice served as a board member

of Prevent Blindness America, headquartered in Chicago, and he is a Community Advisory Board member for the University of Washington Eye Institute

He served on the committee on programs (2005–08, chair 2007–08), the committee on investments (2012), the committee on audits (2013), and as the AOS representative to The Council of the American Academy of Ophthalmology (2009–2013).

David J. Wilson
Portland, OR
Council, 2010–2014



Fig 36. Council Member
David J. Wilson

Born in Houston, Texas, Wilson graduated from Stanford University in 1977 with a BS in chemistry. He attended Baylor College of Medicine and then pursued an ophthalmology residency at Oregon Health and Science University (OHSU). He was a research fellow in ophthalmic pathology at the Wilmer Eye Institute (1985–87) and completed a retina and vitreous fellowship with Ophthalmic Consultants of Boston (1987–88).

He is currently the director of the Casey Eye Institute and chair of the Ophthalmology Department, OHSU. His practice consists of directing the Christensen Eye Pathology Laboratory, treating patients with surface and intraocular neoplasms, and running a clinical trials facility that specializes in Gene Therapy Trials. His research interests are in the pathophysiology of eye disease, ocular oncology, and gene- and cell-based therapies for retinal disease.

Ophthalmic education has been a career-long focus for him, and he is currently a director on the American Board of Ophthalmology and a trustee of the Heed Foundation. Other honors include Phi Beta Kappa and Alpha Omega Alpha.

He served on the committee on membership (2006–09) and as chair on the committee on investments (2013).

Jay C. Erie
Rochester, MN
Council, 2011–



Fig 37. Council Member
Jay C. Erie

Born in North Dakota and raised in Crookston, Minnesota, Erie received his undergraduate BA in chemistry from St. Olaf College (summa cum laude, Phi Beta Kappa) and his MD from the University of Minnesota (Alpha Omega Alpha). After a transitional year at Hennepin Medical Center in Minneapolis, he completed an ophthalmology residency at the Mayo Clinic in Rochester, Minnesota.

He was in private practice for one year in Racine, Wisconsin, before returning to the Mayo Clinic as a consultant in the Comprehensive Ophthalmology Section, where he remains today. He is a professor of ophthalmology, served as chair of the Department of Ophthalmology at the Mayo Clinic (2009–12), and served on the Mayo Clinic Officers and Councilors (2006–09). His research and clinical interests are in comprehensive ophthalmology and resident education. Areas of special interest include cataract surgery, confocal microscopy of the cornea, ophthalmic epidemiology, and heavy metal accumulation in eye tissues.

As a comprehensive ophthalmologist, he has published peer-reviewed articles that encompass all of the subspecialty areas of ophthalmology, receiving support from private foundations and philanthropy. He has served on many Mayo Clinic administrative committees and received Teacher of the Year in Ophthalmology. He has served as an examiner for the American Board of Ophthalmology and is a reviewer for several academic journals. He is the recipient of the Robert R. Waller Career Development Award.

He served on the committee on new members (2006–09).

Marion Edward Wilson
Charleston, SC
Council, 2012–



Fig 38. Council Member
Marion Edward Wilson

Born in Charleston, South Carolina, in 1954, Wilson received his undergraduate BS from Clemson University (with High Honor, Phi Beta Kappa) in 1976 and his MD from Medical University of South Carolina in 1980. His internship in internal medicine and residency in ophthalmology were completed at the National Naval Medical Center, Bethesda, Maryland, followed by a fellowship in pediatric ophthalmology and strabismus at the Children's Hospital National Medical Center under the direction of Marshall Parks, Maryland.

He is currently the N. Edgar Miles Professor of Ophthalmology and Pediatrics at the Albert Florens Storm Eye Institute, Medical University of South Carolina (MUSC), Charleston, South Carolina. He began his academic career as assistant professor at the National Naval Medical Center (1987–1990). He returned to Charleston in 1990 as the residency program director for Storm Eye Institute at MUSC, a position he held for eight years until becoming department chair. He received tenure in 1995 and was promoted to professor in 1998. He served as department chair and director of the Storm Eye Institute (1996–2011). He is actively involved in fellowship training in pediatric ophthalmology, having trained 22 fellows from the USA and 31 international fellows from 15 different countries. His research interests include pediatric cataract surgery and childhood strabismus. He has been elected to the prestigious Squint Club and to the American Ophthalmological Society Council.

He has received a Senior Honor Award from the American Academy of Ophthalmology and a Lifetime Achievement Award from the American Association for Pediatric Ophthalmology and Strabismus. He is a past president and Statesmanship Award winner of the Joint Commission on Allied Health Personnel in Ophthalmology. He served as an executive editor of the *American Journal of Ophthalmology*

and on the editorial board of the *Journal of AAPOS*. He has written 2 books, contributed chapters to 25 books, and has published 175 peer-reviewed scientific articles and invited editorials. He has given 600+ invited presentations, including 21 named lectures, including the Frank Costenbader, Claud Worth, and Marshall Parks lectures. He serves on the steering committee for the NIH Infant Aphakia Treatment Study.

Anne L. Coleman
Los Angeles, CA
Council, 2013–



Fig 39. Council Member
Anne L. Coleman

Born and raised in Richmond, Virginia, Coleman studied chemistry at Duke University, received her MD with Alpha Omega Alpha honors from the Medical College of Virginia, completed an ophthalmology residency at University of Illinois-Chicago followed by a glaucoma fellowship at the Johns Hopkins University, and earned a PhD in epidemiology with Delta Omega honors from UCLA in 1997.

Coleman is now the Fran and Ray Stark Professor of Ophthalmology at the Jules Stein Eye Institute (JSEI) in the David Geffen School of Medicine at UCLA, as well as professor of epidemiology at UCLA's Fielding School of Public Health. Her research interests span the interface of ophthalmology and public health, with emphasis on comparative effectiveness research, visual functioning, and societal impacts of age-related eye diseases. Her ongoing research includes investigating risk factors for glaucoma and age-related macular degeneration in the population-based Thessaloniki Eye Study in Greece, understanding geographic variation in diagnosis and outcomes among Medicare eye patients, and identifying vision-related factors that predict falls and fractures among the elderly. She serves as director of the JSEI Center for Community Outreach, overseeing both the UCLA Mobile Eye Clinic and the UCLA Center for Eye Epidemiology.

Recent awards include an American Academy of Ophthalmology (AAO) Senior Achievement Award, Silver Fellow of the Association for Research in Vision and Ophthalmology (ARVO), the Australia New Zealand Glaucoma Interest Group's Ronald Lowe Medal, and membership in the Most Venerable Order of the Hospital of St. John of Jerusalem. Among over 400 professional presentations, including numerous educational contributions worldwide, she has given multiple named lectureships including the Clinician Scientist Lecture of the American Glaucoma Society. She is currently the senior secretary for Quality of Care for the AAO and

chair of the NEI's National Eye Health Education Program, the US FDA Ophthalmic Devices Panel, and the board of trustees of Helen Keller International. Previously she served as president of Women in Ophthalmology and on the AAO Board of Trustees. Coleman has been an author of over 140 original research articles and over 40 book chapters, and she has mentored over 70 fellows and international scholars. Among numerous other editorial activities, since 2003 she has served as executive editor for glaucoma for the *American Journal of Ophthalmology*.

She served on the committee on membership (2011–13).

8

Committees

SAN FRANCISCO ASSOCIATION MANAGEMENT SERVICES (SFAMS) MANAGEMENT

San Francisco Association Management Services (SFAMS), a subsidiary of the American Academy of Ophthalmology, started managing the Society in 1998.

AMERICAN OPHTHALMOLOGICAL SOCIETY'S WEBSITE

<http://www.aosonline.org>

Paul Happ is the Society's webmaster and helped launch the Society's website in March of 2001. The Society website comprises a wealth of information for all Society members. Especially pertinent in regards to the publication of this book, the website includes links to Wheeler's and Newell's previous histories of AOS, which document the first years of the Society up to 1989. These histories, in conjunction with our new 150th anniversary history, provide a full, detailed history of the Society. The website also contains historical fund descriptions and governance and membership lists, member interviews, Annual Meeting guidelines, a member directory, membership information, a society calendar, a link to the *Transactions*, and the AOS curriculum in ophthalmology for medical students. The members-only section, which requires a username and password, contains current governance information, biosketch guidelines, the Society's bylaws, meeting photos, a detailed member directory with biosketches, photos, and contact information, a new-member guide, new member bios, newsletters, and the Society's white papers.

In 2011, the Council discussed the notion of interviewing various members to create an oral history with the idea that the videos could be projected during the Annual Meeting and potentially distributed to members. Drs. Jay Erie and George

Bartley recently interviewed Dr. Robert W. Waller, the 2011 Howe Medalist; the interview can be viewed on the Society's website. More interviews should be forthcoming in the future and presented at the 2014 meeting.

ARCHIVIST-PHOTOGRAPHER

Malcolm N. Luxenberg was the archivist-photographer from 1990 to 1995, and Ralph C. Eagle, Jr., has been the archivist-photographer since 1996. The main duty of the archivist-photographer is to document the history of the Society via photographs and other memorabilia. The archivist-photographer attends all Annual Meetings of the society and photographically documents the activities and members of the Society with a focus on new members and officers. The archivist-photographer takes photos of the Howe medalist and the Howe Medal presentation ceremony. Candid photos are also taken at scientific sessions and social events.

The archivist-photographer submits selected digital photographs from each meeting to the editor for inclusion in the *Transactions*, typically including photos of the president, the president and his or her spouse and/or family, a group photo of the Council, a group photo of the new members, and a photo of the Howe medalist. The archivist-photographer archives all digital photos, posts them on the Society's website, shares them during the Annual Meetings, and forwards the prints to the new members, the Howe medalist, officers, and selected members.

STANDING COMMITTEES

There are six standing committees appointed by the Council: on membership, new members, prizes, programs, publications (see chapter 9, *The Transactions*), and theses. Nonstanding committees include the athletic and emeritus committees. The audit, investment, and parliamentary committees have been more recently established.

Committee on Membership

The committee on membership was first established in 2001 but did not become official until the bylaw revisions were approved at the 2003 meeting. This committee seeks out new members and reviews applications. It consists of four active mem-

bers, one appointed each year by the Council to serve for a term of four years. The senior member serves as chair (Table 5). The committee on membership has the following duties:

- Identify and solicit qualified candidates for membership in the Society and their sponsors
- Review nomination letters and recommend to the Council applicants who should be invited to submit formal application forms
- Review submitted membership application forms
- Recommend to the Council applicants to be invited to submit a thesis
- Recommend candidates to the Council for honorary membership.

Table 5. Committee on Membership 2003–2013

Year	Chair	Members
2003	Mel Rubin	Lee Jampol, Jane Kivlin, Mark Mannis
2004	Lee Jampol	Jane Kivlin, Mark Mannis, Julia Haller
2005	Jane Kivlin	Mark Mannis, Julia Haller, Barrett Haik
2006	Mark Mannis	Julia Haller, Barrett Haik, David Wilson
2007	Julia Haller	Barrett Haik, David Wilson, Penny Asbell
2008	Barrett Haik	David Wilson, Penny Asbell, Jose Pulido
2009	David Wilson	Penny Asbell, Jose Pulido, Louis Cantor
2010	Penny Asbell	Jose Pulido, Louis Cantor, Malcolm Ing
2011	Louis Cantor	Malcolm Ing, Anne Coleman, Timothy Olsen
2012	Malcolm Ing	Anne Coleman, Timothy Olsen, Marian Macsai
2013	Anne Coleman	Timothy Olsen, Marian Macsai, Joel Schuman

Committee on New Members

The committee on new members consists of at least one active member, appointed by the Council to serve for a term of three years, renewable for one additional term (Table 6). In the early to mid-1990s, the new member chair was known as the social director. This committee welcomes new members, maintains communication with new members prior to their first Annual Meeting, coordinates the new member reception, and assists new members with participation in the Society's various social activities.

Table 6. Committee on New Members 1990–2013

Year	Chair
1990	Theodore Lawwill
1991	Theodore Lawwill
1992	Theodore Lawwill
1993	William Jarrett
1994	William Jarrett
1995	William Jarrett
1996	Charles P. Wilkinson
1997	Charles P. Wilkinson
1998	John Gottsch/Julia Haller
1999	John Gottsch/Julia Haller
2000	John Gottsch/Julia Haller
2001	John Gottsch/Julia Haller
2002	John Gottsch/Julia Haller
2003	Doug Koch
2004	Doug Koch
2005	Doug Koch
2006	Jay Erie
2007	Jay Erie
2008	Jay Erie
2009	Jay Erie
2010	Emily Chew
2011	Emily Chew
2012	Emily Chew
2013	Evelyn A. Paysse/David K. Coats

Committee on Prizes

The committee on prizes consists of three active or emeritus members, one appointed each year by the Council to serve for a term of three years. The senior member serves as chair (Table 7). This committee selects the recipient of any honorary award granted by the Society and announces its decisions and presents the awards (e.g., the Howe Medal) at the Society's Annual Meeting banquet.

Table 7. Committee on Prizes 1990–2013

Year	Chair	Members
1990	Robert Burns	Thomas R. Hedges, Jr., Dupont Guerry, III
1991	Thomas R. Hedges, Jr.	Dupont Guerry, III, Froncie Gutman
1992	Froncie Gutman	Joseph Dixon, Marshall Parks
1993	Marshall Parks	Joseph Dixon, William C. Frayer
1994	Joseph Dixon	William C. Frayer, Robert L. Stamper
1995	William C. Frayer	Robert L. Stamper, David Knox
1996	Robert L. Stamper	David Knox, Malcolm R. Ing
1997	David Knox	Malcolm R. Ing, Mel Rubin
1998	Malcolm R. Ing	John T. Flynn, Fred M. Wilson, II
1999	John T. Flynn,	Fred M. Wilson, II, Robert E. Kennedy
2000	Fred W. Wilson, II	Robert E. Kennedy, Robert R. Waller
2001	Robert E. Kennedy	Robert R. Waller, Richard Brubaker
2002	Robert R. Waller	Richard Brubaker, Bruce E. Spivey
2003	Richard Brubaker	Bruce E. Spivey, William S. Tasman
2004	Bruce E. Spivey	William S. Tasman, George L. Spaeth
2005	William S. Tasman	George L. Spaeth, Ronald E. Smith
2006	George L. Spaeth	Ronald E. Smith, Dennis M. Robertson
2007	Ronald E. Smith	Dennis M. Robertson, Douglas Anderson
2008	Dennis M. Robertson	Douglas Anderson, Daniel M. Albert
2009	Douglas Anderson	Daniel M. Albert, J. Brooks Crawford
2010	Daniel M. Albert	J. Brooks Crawford, Paul R. Lichter
2011	J. Brooks Crawford	Paul R. Lichter, John G. Clarkson
2012	Paul R. Lichter	John G. Clarkson, Marilyn T. Miller
2013	John G. Clarkson	Marilyn T. Miller, George B. Bartley

Committee on Programs

The committee on programs became a standing committee in 1914. Until 2003, it consisted of one member serving as chair with the treasurer-secretary and president serving as ex-officio members. It currently consists of four active members, one appointed each year by the Council to serve for a term of four years, with the executive vice president serving as an ex-officio fifth member. The senior member serves as chair (Table 8). The committee on programs has the following duties:

- Review the submitted abstracts and select the number of papers that can be accommodated in the scientific session of the Society’s Annual Meeting
- Determine the presentation order for papers to be read before the Society and ensure fulfillment of the requirements of the Accreditation Council for Continuing Medical Education
- May designate special subjects for consideration and discussion and invite members to report on these subjects at subsequent Society meetings.

Table 8. Committee on Programs 1990–2013

Year	Chair	Members
1990	W. Richard Green	Robert E. Kennedy, W. Banks Anderson, Jr.
1991	Richard Brubaker	Frederick Blodi, W. Banks Anderson, Jr.
1992	Richard Brubaker	Thomas P. Kearns, W. Banks Anderson, Jr.
1993	Richard Brubaker	Bradley R. Straatsma, W. Banks Anderson, Jr.
1994	Richard Brubaker	Robert Welch, W. Banks Anderson, Jr.
1995	Walter Stark	Bruce Spivey, W. Banks Anderson, Jr.
1996	Walter Stark	Stanley Truhlsen, W. Banks Anderson, Jr.
1997	Walter Stark	William Spencer, W. Banks Anderson, Jr.
1998	Dan Jones	W. Richard Green, W. Banks Anderson, Jr.
1999	Dan Jones	William Tasman, Charles P. Wilkinson, Jr.
2000	Dan Jones	W. Banks Anderson, Jr., Charles P. Wilkinson
2001	Stephen Feman	Paul Lichter, Charles P. Wilkinson
2002	Stephen Feman	Robert Drews, Charles P. Wilkinson
2003	Stephen Feman	Robert Ritch, C. Gail Summers, Douglas Koch
2004	Robert Ritch	C. Gail Summers, Douglas Koch, Kent Small
2005	C. Gail Summers	Douglas Koch, Richard Mills, Kent Small

2006	Douglas Koch	Richard Mills, Kent Small, Marco Zarbin
2007	Richard Mills	Marco Zarbin, Steven Feldon, Tom Liesegang (assist)
2008	Richard Mills	Marco Zarbin, Steven Feldon, Richard Abbott
2009	Marco Zarbin	Steven Feldon, Richard Abbott, Ronald Gross
2010	Steven Feldon	Ronald Gross, Mark Johnson, Stephen McLeod
2011	Ronald Gross	Mark Johnson, Stephen McLeod, Carole Shields
2012	Mark Johnson	Stephen McLeod, Carole Shields, Edward Buckley
2013	Stephen McLeod	Carol Shields, Edward Buckley, Jerry Sebag

Committee on Theses

The committee on theses was made a standing committee in 1922. It consists of three active members, one appointed each year by the Council to serve for a term of three years. The senior member serves as chair (Table 9). This committee reports its evaluation of each thesis submitted as a requirement for membership.

Table 9. Committee on Theses 1990–2013

Year	Chair	Members
1990	William Tasman	Alexander Irvine, Paul Lichter
1991	Alexander Irvine	Paul Lichter, Richard Robb
1992	Paul Lichter	Richard Robb, Frederick Jakobiec
1993	Richard Robb	Frederick Jakobiec, Thomas Aaberg
1994	Frederick Jakobiec	Thomas Aaberg, Daniel Albert
1995	Thomas Aaberg	Daniel Albert, Taylor Asbury
1996	Daniel Albert	Taylor Asbury, Michael Kass
1997	Taylor Asbury	Michael Kass, Malcolm Luxenberg
1998	Michael Kass	Malcolm Luxenberg, Peter Laibson
1999	Malcolm Luxenberg	Peter Laibson, Lee Jampol
2000	Peter Laibson	Lee Jampol, M. Bruce Shields
2001	Lee Jampol	M. Bruce Shields, J. Bronwyn Bateman
2002	M. Bruce Shields	J. Bronwyn Bateman, Joel Mindel
2003	J. Bronwyn Bateman	Joel Mindel, James Bobrow
2004	Joel Mindel	James Bobrow, Richard Parrish, II

Table 9. Committee on Theses 1990–2013 (continued)

Year	Chair	Members
2005	James Bobrow	Richard Parrish, II, Hans Grossniklaus
2006	Richard Parrish II	Hans Grossniklaus, Kirk Wilhelmus
2007	Hans Grossniklaus	Kirk Wilhelmus, Susan Elner
2008	Kirk Wilhelmus	Susan Elner, Don Minckler
2009	Susan Elner	Don Minckler, James Chodosh
2010	James Chodosh	Robert Weinreb, Timothy Stout
2011	James Chodosh	Robert Weinreb, Timothy Stout
2012	Robert Weinreb	Timothy Stout, Thomas Gardner
2013	Timothy Stout	Thomas Gardner, John Gottsch

OTHER COMMITTEES

Committee on Athletics

The committee on athletics is currently composed of the athletic director (Table 10). In the past, the committee consisted of the athletic director and the winners of the previous events, but as venues changed annually, the number of sports offered varied, and members stopped attending every year, the athletic director became “the Committee.” The athletic director organizes the athletic activities and events at the Annual Meeting as deemed appropriate for the venue. The athletic director encourages members to sign up for athletic events and assures that all participants enjoy the events while promoting fair play and sportsmanship. Other duties include assisting the Society’s office with golf course selection, tennis court arrangements, meeting with the onsite golf and tennis course professionals in advance to establish competition guidelines, gathering and calculating the results of all athletic events, and announcing the results at the president’s banquet on the final night of the Annual Meeting. The actual trophies have been donated to the Museum of the American Academy of Ophthalmology, so the athletic director uses slides to illustrate the trophies. A list of the athletic directors and the years they served is given below (Table 10).

Table 10. Committee on Athletics 1990–2013

Year	Athletic Director
1990	Thomas O. Wood
1991	Malcolm Mazow
1992	Malcolm Mazow
1993	Malcolm Mazow
1994	Malcolm Mazow
1995	R. Sloan Wilson
1996	R. Sloan Wilson
1997	R. Sloan Wilson
1998	George Stern
1999	George Stern
2000	Woodford Van Meter
2001	Woodford Van Meter
2002	Woodford Van Meter
2003	Woodford Van Meter
2004	Woodford Van Meter
2005	Woodford Van Meter
2006	Woodford Van Meter
2007	Woodford Van Meter
2008	Woodford Van Meter
2009	Woodford Van Meter
2010	Woodford Van Meter
2011	Woodford Van Meter
2012	Woodford Van Meter
2013	Woodford Van Meter

Committee on Emeriti

The Council created the committee on emeriti in 1993, recognizing the growth in numbers of emeritus members and wanting to encourage emeritus member participation at the Annual Meetings. Thomas P. Kearns was the first chair. The committee on emeriti preserves communication, enthusiasm, and comradeship among

emeritus members; encourages emeritus members to attend the Society’s Annual Meeting and participate in Society functions; hosts the emeritus luncheon at the Annual Meeting; and assists the president with finding Society members to write obituaries and obtain photos for newly deceased members. The committee consists of one emeritus member/chairperson, appointed by the Council for a term of three years (Table 11). The chair submits a committee report at the Society’s Annual Meeting that includes a review of qualifications for emeritus status, a list of members requesting emeritus status since the last Annual Meeting, a list of deceased emeritus members, a committee activity summary, an announcement of the forthcoming luncheon, and encouraging words for emeritus members to remain active and attend Society meetings.

Table 11. Committee on Emeriti 1994–2013

Year	Chair
1994	Thomas P. Kearns
1995	Thomas P. Kearns
1996	Thomas R. Hedges, Jr.
1997	Thomas R. Hedges, Jr.
1998	Thomas R. Hedges, Jr.
1999	Thomas R. Hedges, Jr.
2000	Thomas R. Hedges, Jr.
2001	Stanley Truhlsen
2002	Stanley Truhlsen
2003	Stanley Truhlsen
2004	Robert R. Waller
2005	Robert R. Waller
2006	Robert R. Waller
2007	Robert Drews
2008	Robert Drews
2009	W. Banks Anderson, Jr.
2010	W. Banks Anderson, Jr.
2011	W. Banks Anderson, Jr.
2012	W. Banks Anderson, Jr.
2013	Froncie A. Gutman

Committee on Audits

Per the *Transactions*, the Society had members serve as auditors for the years 1990–2000 (Table 12). In 2008, the Council approved a new audit committee whose main duty is to review the audited financial statement and ensure it is accurate. It currently consists of the executive vice president, a past president appointed by the Council, and the person who was Council chair during the year being audited, as determined at the September 2011 Council meeting. The past president and the Council chair have usually been the people in office in the audited year rather than the year of the audit (Table 13). The committee is required to meet in person or by phone conference at least once per year with independent auditors. The recurring activities of the committee include reviewing and discussing the audited financial statements and internal controls with management staff and independent auditors, providing an annual report for presentation to the membership, and presenting annual findings to the Council. All audits have been declared clean and without concern.

Table 12. Auditors 1990–2000

1990	William Tasman
1991	William Tasman
1992	Paul Wetzig
1993	Paul Wetzig
1994	William B. Glew
1995	William B. Glew
1996	J. Donald Gass
1997	Alan Scott
1998	Stewart M. Wolff
1999	Joseph Flanagan
2000	Jules Baum

Table 13. Committee on Audits 2009–2013

Year	Past President	Executive Vice President	Council Chair
2009	John Clarkson	Thomas Liesegang	Douglas Koch
2010	John Clarkson	Thomas Liesegang	Charles P. Wilkinson
2011	John Clarkson	Thomas Liesegang	Douglas Koch
2012	John Clarkson	Thomas Liesegang	Hans Grossniklaus
2013	John Clarkson	Thomas Liesegang	Richard P. Mills

Committee on Investments

In 2008, the Council approved a distinct investment committee at the advice of Society auditors in order to establish regular communications concerning the Society's finances. Previously the Council as a whole made investment decisions with day-to-day activities monitored by the executive vice president. The committee currently consists of the president, executive vice president, and Council chair (Table 14).

Table 14. Committee on Investments 2010–2013

Year	President	Council Chair	Executive Vice President
2010	Lee Jampol	Marilyn Mets	Thomas Liesegang
2011	Douglas Koch	Hans Grossniklaus	Thomas Liesegang
2012	Richard Parrish, II	Richard Mills	Thomas Liesegang
2013	Hans Grossniklaus	David Wilson	Thomas Liesegang

Parliamentarian

The Society has always assigned a parliamentarian for the executive session, but it has not been a formally appointed position by the Council. In 2012, the Society decided to formalize the position by having an individual selected by the Council serve. This individual currently only serves at the executive session, but he or she could be called upon at other times, depending on circumstances (Table 15).

Table 15. Parliamentarians 2001–2013

Year	Parliamentarian
2001	John D. Bullock
2002	John D. Bullock
2003	Richard Green
2004	Edward L. Raab
2005	Edward L. Raab
2006	George B. Bartley
2007	Charles P. Wilkinson
2008	Edward L. Raab
2009	Bradley Straatsma
2010	Edward L. Raab
2011	Bradley Straatsma
2012	Edward L. Raab
2013	Edward L. Raab

The *Transactions*

The *Transactions of the American Ophthalmological Society* (TAOS) is published online annually each December. The last print edition was published in 2004. The *Transactions* does not currently have an impact factor, but the matter has been investigated and petitioned for in the past and will continue to be in the future.

As of 2013, the digitized *Transactions* consists of a hyperlinked table of contents; lists of the current officers and Council members, former and current presidents of the Society, recipients of the Lucien Howe Medal, Frederick H. Verhoeff Lecturers, all active, emeritus, and honorary members; a necrology for recently deceased members; minutes of the proceedings of the Annual Meeting; abstracts of papers and posters presented at the Annual Meeting; and hyperlinks to the full text of all theses by new members. Discussions are no longer published in the *Transactions*.

The most recent and complete volumes of the *Transactions* can be found on the Society's website at <http://www.aosonline.org/2001xactions.html>. PubMed Central contains a digital repository of the recorded minutes and entire volumes of the *Transactions* from 1865 to 2000 at the following link: <http://www.ncbi.nlm.nih.gov/pmc/journals/308/>. The Society's original recorded minutes from 1864 to 1916 are housed in the Rare Book Room at the New York Academy of Medicine. Since 2000, only the papers and theses are available at PubMed Central and the minutes are posted only at AOSonline.org.

By the mid-2000s, the *Transactions* were moving online and becoming digitized. In 2006, the Houston Academy of Medicine-Texas Medical Center Library donated a complete set of the *Transactions* to the National Library of Medicine (NLM) digitization project. Around the same time, the *Transactions* were successfully added to the PubMed and PubMed Central databases. Both the abstracts and the full text articles became available and searchable in a variety of ways. PubMed Central added a link to the Society's website, providing access to a full copy of the *Transactions*, including all front matter.

As of 2013, papers and theses published in the *Transactions* can still be searched for and accessed via PubMed and on PubMed Central; however, PubMed does not currently publish abstracts or "front matter" (proceedings/minutes of the meeting).

Since 2010, PubMed only publishes the membership theses. Until 2009, all presentations had to be published in the *Transactions* as papers; however, beginning in 2010, papers and posters presented at the Annual Meeting were no longer required to be published in the *Transactions*. Only the abstracts are still required to be published. All abstracts of presentations – both papers and posters – are published with free, open access in the *Transactions* on the Society’s website, as well as at PubMed Central during the same year as accepted.

EDITOR OF THE TRANSACTIONS

The editor, an officer of the Society, is responsible for the publication of the *Transactions* and acts as an ex-officio member of the Council. The editor serves for a one-year term and is nominated by the Council and elected by a vote of the Society at the executive session of each Annual Meeting. The editor’s term may be renewed to a maximum of five years (Table 16). Some editors have utilized the help of assistant editors to support them with editing duties (Table 17). One challenge that the editors have faced is the amount of time the copyeditor has spent correcting the work of authors, including references. In 2006, by general consent, the Council concurred that authors are responsible for their own changes or they are liable for the cost associated with fixing them. They also concurred that if the author does not comply with deadlines the editor may remove the paper or thesis from that issue of the *Transactions* and delay it for future publication.

Table 16. Editors 1990–2013

Year(s) ¹	Editor
1990–1991	R. B. Welch
1992–1997	W. S. Tasman
1998–2002	J. B. Crawford
2003–2007	T. J. Liesegang
2008–2012	R. K. Parrish, II
2013–	E. Y. Chew

1. The years correspond to the *Transactions* volumes edited.

Table 17. Assistant Editors 1990–2013

Year(s)¹	Assistant Editor
1991	W. S. Tasman
1993–1997	J. Brooks Crawford
1998–2002	J. D. Bullock

1. The years correspond to the *Transactions* volumes edited.

COMMITTEE ON PUBLICATIONS

The committee on publications is one of the six standing committees appointed by the Council. It currently consists of two active members: the editor of the *Transactions* and the executive vice president. The editor serves as chair. The committee allows the editor to have an assistant; however, not all editors have used this function (Table 18). This committee decides which theses will appear in the *Transactions of the American Ophthalmological Society* (TAOS) and prepares the Minutes of the Proceedings for the *Transactions*. In the past, it had the authority to require thesis authors to edit or condense their manuscripts to make them suitable for publication in the printed *Transactions*, and today it has the same authority for the online version. The committee also reminds authors and thesis candidates of publication deadlines for the *Transactions*. The secretary-treasurer (later the executive vice president) became part of the committee on publications in order to serve as a mediating force between the editor and authors.

Table 18. Committee on Publications 1990–2013

Year	Chair (Editor of the <i>Transactions</i>)	Executive Vice President (previously Secretary/Treasurer)	Assistant Editor
1990	Robert B. Welch	W. Banks Anderson, Jr.	
1991	Robert B. Welch	W. Banks Anderson, Jr.	William Tasman
1992	William S. Tasman	W. Banks Anderson, Jr.	
1993	William S. Tasman	W. Banks Anderson, Jr.	J. Brooks Crawford
1994	William S. Tasman	W. Banks Anderson, Jr.	J. Brooks Crawford

Table 18. Committee on Publications 1990–2013 (continued)

Year	Chair (Editor of the <i>Transactions</i>)	Executive Vice President (previously Secretary/Treasurer)	Assistant Editor
1995	William S. Tasman	W. Banks Anderson, Jr.	J. Brooks Crawford
1996	William S. Tasman	W. Banks Anderson, Jr.	J. Brooks Crawford
1997	William S. Tasman	W. Banks Anderson, Jr.	J. Brooks Crawford
1998	J. Brooks Crawford	W. Banks Anderson, Jr.	John D. Bullock
1999	J. Brooks Crawford	C. Pat Wilkinson	John D. Bullock
2000	J. Brooks Crawford	C. Pat Wilkinson	John D. Bullock
2001	J. Brooks Crawford	C. Pat Wilkinson	John D. Bullock
2002	J. Brooks Crawford	C. Pat Wilkinson	John D. Bullock
2003	Thomas J. Liesegang	C. Pat Wilkinson	
2004	Thomas J. Liesegang	C. Pat Wilkinson	
2005	Thomas J. Liesegang	C. Pat Wilkinson	
2006	Thomas J. Liesegang	C. Pat Wilkinson	
2007	Thomas J. Liesegang	C. Pat Wilkinson	
2008	Richard K. Parrish, II	Thomas J. Liesegang	
2009	Richard K. Parrish, II	Thomas J. Liesegang	
2010	Richard K. Parrish, II	Thomas J. Liesegang	
2011	Richard K. Parrish, II	Thomas J. Liesegang	
2012	Richard K. Parrish, II	Thomas J. Liesegang	
2013	Emily Y. Chew	Thomas J. Liesegang	

EDITOR BIOGRAPHIES (1990–2013)***John D. Bullock**

Dayton, Ohio

Assistant Editor of the
Transactions, 1998–2002

Fig 40. *Transactions* Assistant Editor
John D. Bullock

Born in Cincinnati, Ohio, Bullock graduated from Dartmouth College and Harvard Medical School. After his medical internship at Washington University-St. Louis, he served in the Navy before his residency at Yale and fellowships at UCSF (oculoplastics) and the Mayo Clinic (orbit). He later received a master of science (microbiology/immunology) from Wright State University and an MPH from the Harvard School of Public Health. He completed additional training from the AFIP, CDC, London School of Hygiene and Tropical Medicine, and Pasteur Institute.

He practiced in Dayton, Ohio, for over 25 years, also serving as professor/chair of ophthalmology, professor of physiology/biophysics, associate professor of microbiology/immunology, and the Brage Golding Distinguished Professor of Research at Wright State where he is currently an infectious disease epidemiologist, clinical professor of community health, and professor of mathematics/statistics. He is a Fellow of the Infectious Diseases Society of America, American College of Epidemiology, American Academy of Pediatrics, American Academy of Forensic Sciences, and Royal Society of Medicine.

Bullock received a Heed Fellowship, the Wendell Hughes, Merrill Reeh, and Marvin Quickert awards from the American Society of Ophthalmic Plastic and Reconstructive Surgery, and Senior Honor Award from the AAO. He is now, or was formerly, a member of Alpha Omega Alpha and Delta Omega honor societies, the American Osler Society, Cogan Society, AUPO, and The Cornea Society (Member with Thesis). He has authored or co-authored over 235 publications in multiple

*Biographies of Robert B. Welch, William S. Tasman, J. Brooks Crawford, Thomas J. Liesegang, and Richard K. Parrish, II appear in the Officers and Council section.

areas of ophthalmology, discovering three new causes of blindness and elucidating the etiology and/or description of six different retinopathies. His research influenced a warning label for Xalatan® (latanaprost) which can result in CME and/or uveitis, the market withdrawal of two general anesthetics, and a Consumer Products Safety Commission–mandated warning label.

He served as representative to the AAO Council (1991–1996) and as parliamentarian (2001–2002).

Emily Y. Chew

Bethesda, MD

Editor of the *Transactions* 2013–

Fig 41. *Transactions* Editor
Emily Y. Chew

Chew is the current chief of Clinical Trials at the National Eye Institute/National Institutes of Health (NEI/NIH), Bethesda, Maryland. Her research interests include phase I/II/III clinical trials and epidemiologic studies in retinovascular diseases such as age-related macular degeneration, diabetic retinopathy, and related conditions. She has participated extensively in large multi-centered trials headed by the staff of the NEI Division of Epidemiology and Clinical Applications, including the Early Treatment Diabetic Retinopathy Study (ETDRS), the Age-Related Eye Disease Study (AREDS), and others. Chew chairs the Age-Related Eye Disease Study 2 (AREDS2), the Actions to Control Cardiovascular Risk in Diabetes (ACCORD) Trial Eye Study, and the clinical portion of the international Macular Telangiectasia Project.

She has worked in research at the NEI/NIH for the majority of her career. She has mentored a number of medical students who have participated in the Howard Hughes Scholar Program at NIH and the Clinical Research Training Program. She is also the director of the medical retina fellowship at the NEI/NIH. She chaired the American Academy of Ophthalmology Committee for the Preferred Practice Pattern (PPP) for Retina.

Chew has been recognized with a number of honors, including the Alcon Research Institute Award and awards from the AAO, including the Honors, Senior Honors, Honored Guest, and Secretariat. She received the J. Donald Gass Medal from the Macula Society, the Award of Merit (Schepens Lecture) from the Retina Society, and the Founders' Award from the American Society of Retinal Specialists.

She serves as a school board trustee and participates on the Appalachian Service Project.

She served as at the chair of the committee on new members (2010–2012) and the committee on publications (2013–).

Meetings and Programs

THE ANNUAL MEETING

The first meeting of the Society occurred in 1864 at the New York Eye and Ear Infirmary where the 19 attending members, now designated as the Founders, or original members, established the Society. The Homestead in Hot Springs, Virginia, has been one of the most popular meeting venues for the Society. From 1914 to 2004, members met there 57 times, with six of those meetings occurring since 1990. The next most popular venue has been the Inn at Spanish Bay in Pebble Beach, California, where the Society met four times since 1990. Other venues over the last 25 years include Four Seasons Biltmore, The Cloister, The Ritz-Carlton Half Moon Bay, The Greenbrier, Grove Park Inn, The Broadmoor, St. Regis Monarch Beach Resort, The Charleston Place, The Lodge at Torrey Pines, and The Ritz-Carlton Battery Park. California is the most popular state for AOS meetings, with a total of 10 of 25 meetings held there since 1990 (Table 19).

The Society's Annual Meeting allows its members to work, learn, and play in a stimulating environment. The meeting is usually held in May at an attractive resort venue. Registration opens in February of the same year. All members are encouraged to bring a spouse or personal guest. Nonmember ophthalmologists may attend as professional guests; however, he or she must be sponsored by an attending member of the Society.

The Annual Meeting consists of three different aspects: academic, business, and social activities.

Table 19. AOS Meeting Venues (1990–2014)

Year	Site	Location
1990	The Homestead	Hot Springs, VA
1991	Inn at Spanish Bay	Pebble Beach, CA
1992	The Homestead	Hot Springs, VA
1993	The Homestead	Hot Springs, VA
1994	Inn at Spanish Bay	Pebble Beach, CA
1995	The Homestead	Hot Springs, VA
1996	Grove Park Inn	Asheville, NC
1997	Inn at Spanish Bay	Pebble Beach, CA
1998	The Homestead	Hot Springs, VA
1999	Four Seasons Biltmore	Santa Barbara, CA
2000	Inn at Spanish Bay	Pebble Beach, CA
2001	The Homestead	Hot Springs, VA
2002	The Cloister	Sea Island, GA
2003	Four Seasons Biltmore	Santa Barbara, CA
2004	The Homestead*	Hot Springs, VA
2005	The Cloister	Sea Island, GA
2006	The Ritz-Carlton	Half Moon Bay, CA
2007	The Greenbrier	White Sulphur Springs, WV
2008	The Broadmoor	Colorado Springs, CO
2009	The Ritz-Carlton	Half Moon Bay, CA
2010	The Greenbrier	White Sulphur Springs, WV
2011	The St. Regis Monarch Beach Resort	Dana Point, CA
2012	The Charleston Place	Charleston, SC
2013	The Lodge at Torrey Pines	La Jolla, CA
2014	The Ritz-Carlton Battery Park	New York, NY

*57th meeting at The Homestead

Academic Activities

Since 2002, the Annual Meeting starts with a symposium; it has been referred to as the Herman Knapp Symposia as of 2004. The meeting then continues with the presentation of papers during the scientific program, which are held on each morning of the meeting. Other symposia may be held as well. Formal discussions follow the presentations and offer the opportunity to visit and exchange information with peers.

Continuing Medical Education (CME)

After the 2009 meeting, a CME Survey was distributed to members. The majority indicated that they did not believe that providing CME credits contributes to the overall quality of the Annual Meeting. However, the Council approved offering CME for the 2012 meeting through Joint Sponsorship with the AAO.

Business Activities

The executive session traditionally occurs during the first or second day either before or after the scientific program. The president presides and appoints a parliamentarian and assistant parliamentarian. Formal reports, ultimately published in the *Transactions*, are then provided by the executive vice president, chair of the Council, the audit committee, the committee on theses, the editor of the *Transactions*, the committee on programs, the committee on membership, the committee on emeriti, and the archivist photographer. The Council announces their appointments, and motions for approval are followed by a members' vote. The representatives to other societies then give their reports. The remainder of the executive session takes place at the banquet on the last evening of the Annual Meeting. The master of ceremonies is the chair of the Council, who formally introduces the president to preside over the meeting. The chairs of the committee on new members and the committee on athletics then provide their reports. The highlight of the meeting is the annual awarding of the Lucien Howe Medal, presented by the chair of the committee on prizes. In 2009, the Council agreed that it is preferred, but not required, that the individual selected for the Howe Medal be present at the meeting. If the individual is unable to attend, the award is announced without the traditional award ceremony.

Social Activities

Social activities include a large array of receptions, dinners, and scheduled sporting events. Scheduled gatherings include the new members' luncheon, "spotlight session" (described below), and reception; the spouses' coffee; the emeritus members' luncheon; an informal cocktail reception; and the presidential reception, banquet, and dance. Starting in 2006, all meeting events historically requiring black tie attire became black tie optional.

New Members' Luncheon

This cozy luncheon provides the opportunity for new members and spouses/personal guests to meet each other as well as the Council, the president, and other officers. Each new member signs the Signature Book, demonstrating that he or she will support the Constitution and Bylaws of the Society. The luncheon is held at noon on a day early in the Annual Meeting.

New Members Spotlight Session

Introduced in 2009, this session allows new members to informally introduce themselves to the Society. Members are encouraged to meet the new members during this time in lieu of the New Members' Reception. Each new member gets 10 minutes, without the use of slides, to indicate their thesis topic, their areas of academic interest, and the special people and personal interests in their lives. All members and spouses/personal guests are encouraged to attend. This session is usually held the afternoon of registration day.

New Members' Reception

Traditionally the new members and their spouses/personal guests formed a receiving line headed by the chair of the Council, the president, the chair of the committee of new members, and their respective spouses/personal guests. All attendees passed through this line and greeted the honorees. In 2009, the new members' reception receiving line was replaced with a designated area in the reception room for the new members to congregate; members are asked approach the new members as they wish throughout the reception. The event is held on one of the first evenings of the Annual Meeting.

Spouses' Coffee

Hosted by the spouse of the Council chair, this event provides spouses and guests an opportunity to meet and visit. It is traditionally held on the first morning of the scientific program.

Emeritus Members' Luncheon

This luncheon features a gathering of emeritus members and their spouses. It is traditionally held following the scientific program on the first or second day of the meeting.

Informal Cocktail Reception

This casual reception traditionally featured wine, beer, soft drinks, and hors d'oeuvres. It is scheduled for the evening following the first day of the scientific program. Starting in 2009, it was shortened to one hour, and only beer, wine, nonalcoholic beverages, and very light food were served.

AOS Presidential Banquet

This "black tie optional affair" begins with a cocktail reception, followed by dinner and dancing. During the evening, the executive session is reconvened for remarks from the Council chair and the president, introduction of new members, awarding of trophies for sporting tournaments, and presentation of the Lucien Howe Medal. This event occurs on the last evening of the meeting.

Special Recognition of Members

The Annual Meeting offers a chance for the Society to thank members for their years of service. Most recently, the Council drafted creative resolutions for Drs. Ralph Eagle and Woodford Van Meter for presentation at the 2010 meeting.

Sporting Events

Athletic events are held during the Annual Meeting but vary depending on the venue. Members receive the list of events when they receive the Annual Meeting mailing. A full listing of events can be found in chapter 12, Athletic Events and Trophies.

Scientific Papers

Members receive a “Call for Papers” in late November or early December prior to the year of the Annual Meeting, and the abstracts are due by a specific date in January. Per the latest Society guidelines, appropriate topics for a paper/presentation include clinical, applied, or basic research; observational and population-based studies; medical services research; bioethics position papers; laboratory biomedical research; innovative surgical techniques; administrative issues; and other investigations that advance the science and art of ophthalmology. Review articles or opinion pieces without data, papers with unoriginal material, and papers previously published elsewhere are not considered (except for new members who submit work from his/her thesis). Abstracts accepted by the committee on programs must be presented during the scientific program. In 2007, the Council directed that the committee on programs notify presenters in advance of the specific day of their presentation. Nonmembers may present a paper, but that person must register as a professional guest, and the member must attend the meeting. Paper presentations have a limit of 10 minutes. If an abstract is not accepted as a podium presentation, the author is given the opportunity to present as a poster. In the past, posters were viewed during breaks for the duration of the conference. However, at recent meetings, a one-hour session was held during which authors stood by their posters to present the information and answer questions.

Discussions

Authors are given the opportunity to suggest a minimum of three members as possible primary discussants for his or her paper. In 2009, the Council decided that a draft manuscript must be provided to the discussant. Discussants have a limit of 3 minutes and are expected to critique the results and conclusions of the paper’s presentation, identify significant limitations or qualifications of the study, provide comments about contradictory literature, indicate if the authors’ conclusions are directly supported by the data, mention excessive generalization and undue speculation by the author, emphasize both the positive and negative findings of the study, state whether and what additional studies are required, and close with the implications supported by the study. Following the presentation of a paper and the invited discussion, any member or guest may comment upon the respective topic. Traditionally, the authors respond to questions and comments and provide closing remarks after the presentations of all the discussants. However, starting with the

2011 meeting, the author responds to each discussant immediately rather than waiting for all discussants to finish prior to responding.

Since 2010, the Society no longer requires that presentations and discussions be published, which the committee on programs believes has renewed interest for presenting at the Annual Meeting.

Recording Paper Presentations

Mr. Greg Hosman, of Any Screen Inc., provided audiovisual services for the 2012 meeting. Mr. Hosman audio recorded the free paper presentations, symposia, and Howe Medal presentation; the audio is to be synchronized with presentation slides, and the end result will be hosted on the Society's website in the future.

Herman Knapp Symposia

Following a Strategic Planning Retreat held in February 2001, the Council revised their mission statement to read, in part, that the Society must "address essential issues in medicine." To pursue this stated goal, the Council approved the addition of a symposium devoted to a topic of national importance to ophthalmology, medicine, and the public as part of the Annual Meeting, which would feature presentations by nationally recognized experts and offer opportunities for open discussions with society members (Table 20). The Council hoped that the dialogues from these symposia would eventually be published in the form of monographs or position papers. The first symposium was held at the 2002 Annual Meeting of the Society. In 2004, the Council directed that the symposium would be called the Herman Knapp Symposia and would be financially supported by the Knapp Fund. Every year, the committee on programs encourages members to submit an abstract on a subject that will complement the presentations and discussions of the scheduled symposium for that year's Annual Meeting. In 2008, the Knapp Symposium was put on DVD with the disclaimer that the Society did not develop the DVD as a revenue stream. In 2009, the Council concluded that the Knapp Symposium should be audio and video recorded annually, pending permission being granted by each presenter, and posted on the Society's website.

Table 20. Herman Knapp Symposia Presented 2002–2013**2002: Stem Cells: What Are They and How Might They Be Used for Ocular Disease Treatment?**

How Many Photoreceptors Do We Need for Vision? (Verhoeff Lecture)	Paul A. Sieving, MD, PhD
Introduction to Epithelial Stem Cells: The Eye Shows the Way	Robert Lavker, PhD
Clinical Aspects of Ocular Surface Stem Cell Transplantation	Edward Holland, MD
Retinal Stem Cells? Current Status and Future Possibilities	Pamela Raymond, PhD

2003: Ocular Genetics

How Molecular Genetics is Lifting the Fog: The Etiology of Retinitis Pigmentosa (Verhoeff Lecture)	Thaddeus P. Dryja, MD
Current Research in Retinoblastoma	Joan O'Brien, MD
Glaucoma Genetics	Janey L. Wiggs, MD, PhD
Genetics of Macular Degeneration	Edwin Stone, MD, PhD

2004: Targeted Drug Delivery in Ophthalmology

New Ways to Achieve Therapeutic Drug Levels in the Vitreous and Retina	Henry F. Edelhauser, PhD
Transscleral Drug Delivery to the Retina and Choroid	Anthony P. Adamis, MD
Principles of Posterior Segment Drug Delivery: Fluocinolone Acetonide Sustained Drug Delivery System to Treat Retinal Vascular Disease	Glenn J. Jaffe, MD
Variables in Transscleral Drug Delivery	Timothy Olsen, MD
Cytoskeletal, Cell Adhesion, and Cell Contractility in the Trabecular Meshwork as Targets for Glaucoma Therapy	Paul L. Kaufman, MD

2005: Tissue Bioengineering and Regenerative Medicine

Tissue Engineering – Basic Concepts	Don Feng Chen, PhD
Biocompatibility: Old and New Paradigms	Buddy D. Ratner, PhD
Tubes, Scaffolds, and Guided Regeneration	Molly Schoichet, PhD
Amyotrophic Lateral Sclerosis: Lou Gehrig Disease	Michael J. Young, PhD

2006: Wavefront Technology and the Quest for Super Vision

Wavefront Basics: Measuring and Quantifying	Raymond Applegate, OD, PhD
Corneal Optics and Biomechanics	Cynthia Roberts, PhD
The Complex Role of the Crystalline Lens	Adrian Glasser, PhD
Clinical Realities	Scott M. McRae, MD

2007: Angiogenesis: From Concept to Clinic

Introductory Comments	Jayakrishna Ambati, MD Richard P. Mills, MD
Ocular Antiangiogenesis: Past, Present, and Future	Anthony Adamis, MD
Unlocking the Mystery of Corneal Avascularity	Balamurali Ambati, MD
Angiogenesis and Diabetic Retinopathy in 2007	Neil M. Bressler, MD
Medical Treatment for Retinopathy of Prematurity: Bench to Bedside	Lois E. H. Smith, MD, PhD
Inflammation and Angiogenesis in Age-Related Macu- lar Degeneration	Jayakrishna Ambati, MD

2008: Ethics of Industry-Ophthalmologist Relationships

Introductory Comments – Misbehaviors: Observa- tions of a Long-Term Department Chair	Lee Jampol, MD
What Is the Current Status of Individual and Institu- tional Conflict of Interest?	Michael Camilleri, MD
How Should Academic Institutions Behave with Regard to Industry?	Jordan Cohen, MD
How Should Individual Faculty Respond to Industry Relationships?	Susan Day, MD
How Should Practicing Ophthalmologists Respond to Industry largesse?	Richard Mills, MD, MPH
How Can Professional Organizations Justify Receiving Corporate Funding for Organizational Activities?	Jerome Kassirer, MD
Ethical Alignment? Physicians and Their Professional Organizations	Samuel Packer, MD

2009: Advanced Imaging in Ophthalmology

Introduction	Marco A. Zarbin, MD, PhD
Adaptive Optics	Edward N. Pugh, Jr., PhD Jacque L. Duncan, MD
Motion-Sensitive OCT	Daniel M. Schwartz, MD
Spectral Domain OCT	Carmen A. Puliafito, MD, MBA
Glaucoma Imaging	Robert N. Weinreb, MD
Neuroimaging	Andrew G. Lee, MD

2010: Managing Presbyopia: How Far Have We Come?

Introduction	Steven E. Feldon, MD
Physiology of Accommodation and Pathogenesis of Presbyopia (Verhoeff Lecture)	Adrian Glasser, PhD
Optics of Current Technology: Accommodation or Pseudoaccommodation?	Geunyoung Yoon, PhD
Pseudophakic Approaches to Correcting Presbyopia	Roger F. Steinert, MD
Corneal Approaches to Correcting Presbyopia	Richard L. Lindstrom, MD
What Lies Ahead?	Douglas D. Koch, MD

2011: The Ophthalmologist of the Future

Introduction	Ronald L. Gross, MD
Health Policy	William L. Rich III, MD
Patient Care Guidelines	Paul P. Lee, MD, JD
Electronic Medical Records	Joel S. Schuman, MD
Ophthalmic Associations	Ruth D. Williams, MD
Generational Issues	Ann Brown, MD, MHS
Communications	Andrew P. Doan, MD, PhD

2012: Nanotechnology and Ophthalmology. Topics included delivery of drugs, peptides, and genes; imaging and diagnostics; regenerative medicine and prosthetics; bio-sensing health maintenance; and nanosurgery and molecules as machines.

2013: Challenges of Ophthalmic Care in the Developing World. International ophthalmology and disparities in care.

Other Symposia

2013

Topic addressed: the individual physician's responsibility to their patient versus their overall responsibility to society.

2011

"Maintenance of Certification / Maintenance of Licensure, How It Relates to You"

2010

The topic was Health Care Reform, and the guest speakers – Humphrey Taylor, Chairman of the Harris Poll, spoke on the "Outsiders Prospective" and Regina Herzlinger, Nancy R. McPherson Professor of Business Administration, Harvard Business School – spoke on "Next Steps for Health Care."

Frederick H. Verhoeff Lecture

Arthur Bedell proposed the Frederick H. Verhoeff Lecture in 1959 and contributed a large sum to start a fund to support the lecture. The fund’s namesake, Frederick H. Verhoeff, was a former Howe medalist, Society president, and honorary member. Dr. Bedell gave the first lecture in 1961. The speaker is selected by the Council. To date, there have been 17 Verhoeff Lectures, with 7 lectures occurring since Dr. Frederick Blodi gave his lecture at the 125th anniversary of the Society in 1989 (Table 21).



Fig 42.
Arthur Bedell and
Frederick Verhoeff,
1961

Table 21. Verhoeff Lectures (1990–2013)

Year	Lecturer	Title
1992	Francis I. Collins	Genetics and the Future of Medicine
1993	Joram Piatigorsky	Gene Sharing in the Visual System
1997	Geoffrey Arden	Separation of Parallel Visual Systems by Disease Processes
2002	Paul Sieving	How Many Photoreceptors Do We Need for Vision?
2003	Thaddeus P. Dryja	How Molecular Genetics is Lifting the Fog: The Etiology of Retinitis Pigmentosa
2010	Adrian Glasser	Physiology of Accommodation and Pathogenesis of Presbyopia
2013	Alfred Sommer	International Ophthalmology: Disparities in Care and Possible Solutions



Fig 43.
1997 Verhoeff Lecturer
Geoffrey Arden



Fig 44.
2002 Verhoeff Lecturer
Paul Sieving



Fig 45.
2003 Verhoeff Lecturer
Thaddeus P. Dryja

The Society's White Papers

http://www.aosonline.org/membersonly/white_papers.html.

The Council produces white papers based on the topics of the Herman Knapp Symposium, which are submitted under the name of the Council. The papers are funded by the Herman Knapp Testimonial Fund, and the Council establishes committees with assigned chairs to write the papers. Typically, these committees consist of the symposium presenters, along with other members. Prior to final submission, the Council submits suggested edits and final comments, and the papers are distributed to all Society members for their valued and thoughtful comments. The papers provide great value to the ophthalmic community. The white papers are made available to members of the Society on the Society's website courtesy of the *Archives of Ophthalmology*.

White Papers: 2011 AOS-Knapp Symposium, "The Ophthalmologist of the Future"

1. **The Ophthalmologist of the Future.** Marilyn B. Mets, MD; Ann Brown, MD; Andrew P. Doan, MD, PhD; Ruth D. Williams, MD; Richard Mills, MD; Jay C. Erie, MD; Ronald Gross, MD; for the Council of the American Ophthalmological Society. *Archives of Ophthalmology*, 2012;130(9):1190–1194. doi:10.1001/archophthalmol.2012.996.
2. **The Ophthalmic Practice of the Future.** Marilyn B. Mets, MD; William L. Rich, Paul Lee, MD; Joel S. Schuman, MD; David Wilson, MD; Emily Chew, MD; Edward Buckley, MD; for the Council of the American Ophthalmological Society. *Archives of Ophthalmology*, 2012;130(9):1195–1198. doi:10.1001/archophthalmol.2012.1000.

White Paper: 2008 AOS-Knapp Symposium, "Ethics of Industry-Ophthalmologist Relationships"

3. **A Perspective on Commercial Relationships Between Ophthalmology and Industry.** Lee M. Jampol, MD; Samuel Packer, MD; Richard P. Mills, MD; Susan H. Day, MD; Paul R. Lichter, MD; for the Council of the American Ophthalmological Society. *Archives of Ophthalmology*, 2009;127(9):1194–1202. doi:10.1001/archophthalmol.2009.180



Financial Organization and Endowment

The Society's income is derived from three sources: the Annual Meeting registration fees, the membership dues and initiation fees, and the investment income. The latter income is by far the largest. The Annual Meeting registration fees, the annual membership dues, and the initiation fees for new members provide only modest revenue. The Society, mainly through the investment income, subsidizes part of the Annual Meeting, part of the Society's activities, and the *Transactions*. The Society has an investment committee and an audit committee that provide scheduled reports to the Council.

The main investment assets of the Society are divided into the American Ophthalmological Society Fund (The Endowment), the Charitable, Education, and Scientific Trust Fund (CES), and the Herman Knapp Testimonial Fund (the Knapp Fund). The Endowment is derived from initiation fees, dues, and Annual Meeting registration fees. CES was the result of a single major bequest in 1997. The Knapp Fund was started in 1912 by prior member Herman Knapp with a very modest amount that has multiplied greatly since then; the Knapp Fund can only be used for educational purposes. The Society has never accepted or permitted any commercial support for itself or for the Annual Meeting. Advocacy and commercial support are prohibited in the Constitution and Bylaws. In recent years all the investments have been managed by Vanguard, with a moderately aggressive investment profile; presently, investments total about 7 million dollars with fluctuations according to the global economy.

The Annual Meeting, the Society's activities, and the Council's activities are supported by The Endowment (dues and meeting-registration and initiation fees) but must additionally be subsidized by investment income. The *Transactions*, the website, and the travel grants are supported by CES, with some offset by income from the *Transactions*. The Knapp Symposia, white paper processing, and audio-video support for or after the meeting are supported by the Knapp Fund.

Specific costs that are expensed among the three funds include association management fees, Vanguard management fees, auditor/tax preparation fees, and audio-visual meeting costs. The executive vice president and the editor of the *Transactions* are the only members that receive a (modest) honorarium.

FUNDS

Herman Knapp Testimonial Fund

The Herman Knapp Testimonial Fund (in this section also referred to as The Fund) was established in 1912 and named for Dr. Herman Knapp, an American ophthalmic leader and honorary member of AOS. A 22-carat-gold Medal was struck to honor him.

From 1982 through 1997, The Fund provided \$1,424,000 in support of a postgraduate fellowship training program administered by the Heed Foundation. The fellowships were known as the Heed-Knapp Fellowships.

In May of 1997, Dr. Joseph Wadsworth, secretary of the administrative committee of The Fund, died. The remaining two members of the administrative committee, Dr. Dupont Guerry, III and Dr. William F. Hughes, placed responsibility for operation of The Fund with the Society. The Society elected to accept The Fund as a supporting organization on October 4, 1997, with the responsibility of establishing and maintaining guidelines for operation of The Fund, appointing trustees (Table 22), approving amendments of the governing instruments, and reviewing and monitoring The Fund's activities.

In 1997, the Council approved The Fund to offer AOS-Knapp fellowships, which delivered financial support for an educational and/or research program providing a second year of postgraduate fellowship training in ophthalmology and/or ophthalmic-related science. The annual fellowship stipends could not exceed \$30,000 to any one person, and annual fellowship stipends could not exceed \$180,000 in the aggregate to all stipend recipients in any one year. These levels would gradually increase throughout the next few years. The AOS-Knapp fellowships could only be awarded to individuals who did not receive fellowship stipends from other foundations or similar organizations.

To encourage ophthalmic pathology training, The Fund started offering a special two-year postgraduate fellowship requiring at least one year to be spent in oph-

thalmic pathology training. Research to Prevent Blindness (RPB) approved and the Council endorsed annual matching funds of \$157,500 for an ophthalmic pathology fellowship to be paid out over a three-year period to support three fellows, starting in 2000. Dr. Brian D. Sippy was selected as the first AOS-Knapp and RPB (AOS-Knapp RPB) Ophthalmic Pathology Fellow for the 2000–2002 years. No ophthalmic pathology fellow was selected for either of the next two years. In 2003, based on the small number of applications, the Council decided to terminate the joint AOS-Knapp and Research to Prevent Blindness Ophthalmology Pathology Fellowship program after completion of the current recipient's fellowship. In 2004, the Council approved a one-time use of Knapp funds to print a hard cover version of the *Transactions*.

On January 1, 2005, administration of the Knapp Fund was transferred to the American Academy of Ophthalmology's (AAO) San Francisco Association Management Services (SFAMS). The Council started serving as the Knapp Fund's board of trustees effective January 1, 2005. The Knapp Fund ceased to fund fellowships by mid-2005.

The amended and restated governing instruments of The Fund state that "The Fund is organized and shall be operated exclusively to support, benefit, perform, and assist in carrying out the charitable, educational, and scientific purposes and functions of the American Ophthalmological Society." The complete bylaws of The Fund are available on the AOS website at http://www.aosonline.org/history/knapp_fund_bylaws.pdf

The Knapp Fund currently supports the Herman Knapp Symposia, white papers, and audio-video support for meetings.

Table 22. Former Trustees of the Herman Knapp Testimonial Fund

Dupont Guerry, III (term expired 1997)
William F. Hughes (term expired 1997)
Paul R. Lichter (Chair)
Froncie A. Gutman (Secretary-Treasurer)
Bradley R. Straatsma
Ronald E. Smith
William Tasman
Dan B. Jones

Charitable, Educational, and Scientific Trust Fund (CES)

In 1997, the Society established the CES, following a major bequest to the Society by Virgene Converse, a grateful patient of a member. The CES operates exclusively to support and benefit the charitable, educational, and scientific purposes of the Society, including the funding of educational and/or scientific meetings, and the awarding of prizes. The CES Fund Bylaws can be found on the AOS website at http://www.aosonline.org/history/ces_bylaws.pdf.

In 1997, the CES Board decided to fund educational travel grants and to produce, publish, and distribute the *Transactions* of the Society, along with partial funding for color plates. The following year the CES Board allowed funds to pay appropriate proportional expenses for CES meetings held in conjunction with the Society and for annual audits. Eventually the CES Board also decided to pay appropriate proportional expenses for management services, executive vice president and editor salaries, website costs, and ad hoc committee meetings of the Society. CES may also fund the poster session at the Annual Meeting.

Currently, the CES awards up to two educational travel grants to nonmembers who attend the Society's Annual Meeting. The recipients of this award must be less than eight years out from the beginning of their residencies, with priority given to applicants who have participated in investigational studies to be presented at the Society scientific session they wish to attend.

Endowment Fund (AOS Fund)

The Endowment Fund, also known as the AOS Fund, is funded by initiation fees that members pay upon being elected to the Society, member dues, and Annual Meeting registration fees. The Council administers the fund and distributes the accumulated interest at its discretion. This fund may pay for equipment that will improve the scientific session facilities, along with the cost of printing and distributing publications to members. It helps support the Annual Meeting and the Society's and Council's activities.

The Howe Medal Fund

Dr. Lucien Howe and the Society contributed the monies for this fund. The interest pays the expenses of awarding the Howe Medal and matching lapel pins. The Council awards the Howe Medal once a year for distinguished service to ophthalmology

or medicine upon recommendation of the committee on prizes. No individual can be awarded twice. The award is granted based on one or more of the following attributes: 1) notable discoveries that suddenly advance the progress of ophthalmology in all parts of the world, 2) notable service as a writer or teacher or long years of devotion and contributions constituting unusually distinguished service to ophthalmology, and 3) outstanding original investigation in the field of ophthalmology.

The Frederick H. Verhoeff Lecture Fund

This fund was established to add prestige to, and recognition of, the Society, while honoring the name of a distinguished ophthalmic pathologist. The Council controls the Verhoeff Fund and selects the Verhoeff lecturer, paying the lecturer an honorarium from the fund.

The Holloway Fund

The Society established this fund to assist in the publishing of scientific papers and theses. In the past, it funded color plates for the *Transactions*. The Council approves the fund's disbursement. The fund is currently nonfunctional due to a low amount of money in the fund.

The Kennedy-Snell Fund

The Society established this fund to help advance ophthalmic science and art. Dr. Robert Kennedy played an instrumental role in the fund's establishment. In the past, it funded guest lecturers. The Council approves the fund's disbursement. The fund is currently nonfunctional due to a low amount of money in the fund.

A Note on the Investment Management of Funds

In 1999, the Council approved Key Trust as the investment manager and custodial bank of CES and the AOS Fund. Prior to this action, Smith Barney managed the funds.

In 2002, the Council decided that Vanguard Asset Management and Trust Services would be the investment manager for the Knapp Fund, CES, and the AOS Fund. Their investments were combined into one investment fund, but each fund's balances, gains/losses, and interest are tracked separately, and each fund retains its identity.

Athletic Events and Trophies

The sporting events of the Society's Annual Meeting have a rich history spanning 100 years. The events have changed over time, with some sports being dropped or replaced. For example, running was introduced as a "new" sport in both 1989 and 2006 but never caught on. Although a smaller percentage of members participate in athletic events compared to past years, it is a beloved tradition that members continue to enjoy.

TROPHIES AND TROPHY WINNERS (1990–2012)

The Society's trophy collection currently consists of eighteen different trophies. In 2009, all of the trophies were sent to the Society's office for permanent retirement and display. Photographs of the trophies, along with their history and a list of past winners (Tables 23.01–23.17) are now a permanent part of the Society's website. Starting in 2010, winners of the athletics events receive recognition for their event and have their names presented with a picture of the trophy at the annual banquet, where their names are added to the list of previous winners starting in 1990 or later depending on the debut of each sport.

WINNER TABLES 23.01–23.17

**Table 23.01. Winners of the Mishima-Michels Trophy –
Golf, Men's Low Gross Score**

2012	Verinder Nirankari	2000	Paul Tomambe
2011	Woodford Van Meter	1999	George Stern
2010	Rick Ferris	1998	George Stern
2009	David Wallace	1997	Verinder Nirankari
2008	David Wallace	1996	George Stern
2007	Verinder Nirankari	1995	Verinder Nirankari
2006	Woodford Van Meter	1994	George Stern
2005	Verinder Nirankari	1993	Malcolm Mazow
2004	Jay Erie	1992	Taylor Asbury
2003	Paul Tomambe	1991	Malcolm Mazow
2002	Verinder Nirankari	1990	Malcolm Mazow
2001	Woodford Van Meter		

**Table 23.02. Winners of the McCulloch Cup –
Golf, Men's Individual Low Net Score (Callaway)**

2012	Mylan Van Newkirk	2000	Woodford Van Meter
2011	Paul Lichter	1999	Verinder Nirankari
2010	Woodford Van Meter	1998	Paul Tomambe
2009	Rick Ferris	1997	George Stern
2008	Verinder Nirankari	1996	Verinder Nirankari
2007	Bob Sergott	1995	George Stern
2006	Stan Truhlsen	1994	George Stern
2005	Ron Smith	1993	Marshall Parks
2004	David Berler	1992	J. Donald M. Gass
2003	Hugh Taylor	1991	Paul Lichter
2002	Mike Lemp	1990	Taylor Asbury
2001	Bruce Spivey		

**Table 23.03. Winners of the Truhlsen Trophy –
Golf, Men Over the Age of 65, Low Gross**

2012	Thomas Wood	2006	Paul Lichter
2011	Bob Sergott	2005	David Berler
2010	Brian Younge	2004	Fritz Fraunfelder
2009	Doug Hershey	2003	Fritz Fraunfelder
2008	Paul Lichter	2002	Bill Annesley
2007	Taylor Asbury	2001	Buzz Kreiger

**Table 23.04. Winners of the Knapp Trophies (2) –
Golf, Men's Two-Men Team Low Net Combined Score**

2012	Robert Sergott & Paul Mitchell	2000	Paul Lichter & Paul Tornambe
2011	Henry Gelender & Mylan Van Newkirk	1999	Bruce Spivey & Stan Truhlsen
2010	James Bobrow & Jo Flanagan	1998	Buzz Kreiger & Paul Tornambe
2009	Lawrence Tychsen & Ed Wilson	1997	David Berler & George Stern
2008	David Schaffer & Mark Terry	1996	Verinder Nirankari & George Stern
2007	Dan Durrie & David Tse	1995	David Berler & Stewart Wolff
2006	Rick Ferris & Stan Truhlsen	1994	George Stern & Vernon Wong
2005	Jay Erie & Pat Wilkinson	1993	Malcolm Mazow & Stewart Wolff
2004	Taylor Asbury & John Clarkson	1992	Taylor Asbury & Malcolm Mazow
2003	Dan Jones & Hugh Taylor		
2002	Mike Lemp & Pat Wilkinson		
2001	Paul Lichter & Bruce Spivey		

**Table 23.05. Winners of the Minnesota Trophy –
Golf, Ladies Individual Low Gross Score**

(Minnesota Ellsworth Truhlsen Tray, 2006 – 2012)

2012	Dorene Shipley	2008	Dorene Shipley
2011	Miriam Ferris	2007	Carolyn Lichter
2010	Dorene Shipley	2006	Dorene Shipley
2009	Tournament cancelled		

**(Minnesota Ellsworth Tray, 1990 – 2005. The tray was renamed the
Minnesota Ellsworth Truhlsen Tray in 2005.)**

2005	Dorene Shipley	1997	Dottie Truhlsen
2004	Carolyn Lichter	1996	Dottie Truhlsen
2003	Carolyn Lichter	1995	Dottie Truhlsen
2002	Carolyn Lichter	1994	Dottie Truhlsen
2001	Dottie Truhlsen	1993	Doreen Wetzig
2000	Cindy Stern	1992	Tournament cancelled
1999	Dottie Truhlsen	1991	Dottie Truhlsen
1998	Dottie Truhlsen	1990	Dottie Truhlsen

**Table 23.06. Winners of The Homestead Cup –
Golf, Ladies Individual Low Net (Callaway) Score**

2012	Miriam Ridley Ferris	2000	Audrey Ing
2011	Audrey Ing	1999	Carolyn Lichter
2010	Miriam Ridley	1998	Cindy Stern
2009	Tournament cancelled	1997	Carolyn Lichter
2008	Audrey Ing	1996	Cindy Stern
2007	Wendy Robin	1995	Dottie Truhlsen
2006	Carolyn Lichter	1994	Dottie Truhlsen
2005	Sandy Berler	1993	Dottie Truhlsen
2004	Sandy Berler	1992	Tournament cancelled
2003	Dottie Truhlsen	1991	Doreen Wetzig
2002	Dottie Truhlsen	1990	Betty Cooper
2001	Audrey Ing		

**Table 23.07. Winners of the EVL Brown Bowl –
Tennis, Men's Doubles**

2011	Rick Fraunfelder & James Tsai	2000	Gerhard Cibis & John Gottsch
2010	John Gottsch & Douglas Jabs	1999	Robert Yee & Alfredo Sadun
2009	Rick Fraunfelder & Jim Tsai	1998	Brian Younge & Sloan Wilson
2008	Richard Lindstrom & Woodford Van Meter	1997	John Gottsch & George Spaeth
2007	Gerhard Cibis & Brian Younge	1996	Brooks Crawford & Robert Yee
2006	Woodford Van Meter & Ken Wright	1995	Sloan Wilson & Lorenz Zimmerman
2005	George Spaeth & Brian Younge	1994	George Weinstein & Sloan Wilson
2004	Froncie Gutman & George Spaeth	1993	Froncie Gutman & Sloan Wilson
2003	Gerhard Cibis & George Spaeth	1992	George Spaeth & Brian Younge
2002	John Gottsch & Richard Lindstrom	1991	James Elliott & Ralph Hamilton
2001	John Gottsch & Robert Yee	1990	James Elliott & Fritz Fraunfelder

**Table 23.08. Winners of the
Brown Wilson Trophy (Wilson Tray) – Tennis**

2011	No Award	1999	Gerhard Cibis & Ralph Hamilton
2010	Brian Younge & John Thompson	1998	Ralph Hamilton & John Merriam
2009	Dennis Han & Woodford Van Meter	1997	Douglas Jabs & John Merriam
2008	Dennis Han & William Jarrett	1996	Thomas Gardner & Froncie Gutman
2007	Dennis Han & William Jarrett	1995	William Boume & Froncie Gutman
2006	John Gottsch & George Spaeth	1994	Jorge Alvarado & Brian Younge
2005	Dennis Han & Woodford Van Meter	1993	George Spaeth & Robert Yee
2004	William Mieler & Sloan Wilson	1992	George Weinstein & Sloan Wilson
2003	William Boume & Brian Younge	1991	DuPont Guerry, III & Marvin Sears
2002	Evangelo Gragoudas & Woodford Van Meter	1990	Mel Alper & Malcolm Luxenberg
2001	Gerhard Cibis & Sloan Wilson		
2000	Banks Anderson & Alfredo Sadun		

**Table 23.09. Winners of the Michels Wilkinson Trophy – Tennis,
Men's Singles; Most Games Won by a Member Over 65 Years of Age**

2011	Brian Younge	2007	Brian Younge
2010	Brian Younge	2006	George Spaeth
2009	Steve Klyce	2005	George Spaeth
2008	Ed Raab	2004	George Spaeth

**Table 23.10. Winners of the Perera Bowl –
Tennis, Women's Doubles Winners**

2011	Susan Budenz & Kathy Tychsen	2000	Dorothy Van Meter & June Wood
2010	Wendee Fraunfelder & Deena Laties	1999	Gretchen Bullock & Roseanne Raab
2009	Susan Budenz & Wendee Fraunfelder	1998	Dorothy Van Meter & Alice Wilkinson
2008	Jaci Lindstrom & Kathy Tychsen	1997	Sandy Berler & Melissa Holland
2007	Deena Laties & June Wood	1996	Alice Wilkinson & June Wood
2006	Alice Wilkinson & Ann Wilson	1995	Barbara Biglan & Alice Wilkinson
2005	Janet Erie & Alice Wilkinson	1994	June Wood
2004	Dorothy Van Meter & Alice Wilkinson	1993	Alice Wilkinson
2003	Nancy Brubaker & Alice Wilkinson	1992	Tournament cancelled
2002	Alice Wilkinson & June Wood	1991	Tournament cancelled
2001	Roseanne Raab & Alice Wilkinson	1990	June Wood

**Table 23.11. Winners of the Hughes Bowl –
Tennis, Ladies' Doubles Runners-Up**

2011	Wendee Fraunfelder & Ann Wilson	2004	Deena Laties & Gretchen Bullock
2010	Kathy Tychsen & Alice Wilkinson	2003	Sandy Berler & Roseanne Raab
2009	Marguerite McDonald & Alice Wilkinson	2002	Nancy Brubaker & Betty Van Newkirk
2008	Marguerite McDonald & Betty Van Newkirk	2001	Dorothy Van Meter & Ann Wilson
2007	Betty Van Newkirk & Alice Wilkinson	2000	Gretchen Bullock & Alice Wilkinson
2006	Deena Laties & Roseanne Raab	1999	Alice Wilkinson & Ann Wilson
2005	Jill Waltman & June Wood	1998	Yvonne Fraunfelder & June Wood

**Table 23.11. Winners of the Hughes Bowl –
Tennis, Ladies' Doubles Runners-Up (continued)**

1997	Roseanne Raab & Alice Wilkinson	1993	June Wood
1996	Kyra Berson & Barbara Biglan	1992	Tournament cancelled
1995	Kyra Berson & Sandy Berler	1991	Ann Wilson
1994	Alice Wilkinson	1990	Sandy Berler

**Table 23.12. Winners of the Wong McDonald Bowl –
Tennis, Mixed Doubles' Winners**

2011	James Tsai & Susan Budenz	2000	George Spaeth & June Wood
2010	Frederick & Wendee Fraunfelder	1999	Woodford Van Meter & June Wood
2009	Rick Fraunfelder & Susan Budenz	1998	Ralph Hamilton & June Wood
2008	Richard & Jaci Lindstrom	1997	George Spaeth & Alice Wilkinson
2007	William Jarrett & June Wood	1996	Sloan Wilson & June Wood
2006	Sloan Wilson & Deena Laties	1995	Pat & Alice Wilkinson
2005	Froncie Gutman & Alice Wilkinson	1994	Banks Anderson & June Wood
2004	Woodford & Dorothy Van Meter	1993	Pat & Alice Wilkinson
2003	George Spaeth & Alice Wilkinson	1992	Tournament cancelled
2002	Richard & Jaci Lindstrom	1991	Tom & June Wood
2001	Tournament cancelled	1990	Tournament cancelled

**Table 23.13. Winners of the Wilson Tray –
Tennis, Mixed Doubles' Runners-Up**

2011	George Spaeth & Alice Wilkinson	2002	Edward Raab & Dorothy Van Meter
2010	Ed Raab & Alice Wilkinson	2001	Tournament cancelled
2009	Steve Klyce & Wendee Fraunfelder	2000	Edward Raab & Alice Wilkinson
2008	Devron Char & Kathy Tychsen	1999	Richard & Jaci Lindstrom
2007	Louis Cantor & Deena Laties	1998	John Gottsch & Ann Wilson
2006	Steve Klyce & Alice Wilkinson	1997	Richard Lindstrom & Melissa Holland
2005	Richard Lindstrom & Kyra Berson	1996	Edward Raab & Alice Wilkinson
2004	Bill Jarrett & Alice Wilkinson	1995	Froncie & Bonnie Gutman
2003	Woodford Van Meter & Deena Laties	1994	Sloan & Ann Wilson

**Table 23.14. Winners of the McCaslin-Fralick-Kimura Bowl –
Fly Fishing, Largest Fish**

2011	Event not held	1999	Robert Stamper
2010	Rand Spencer	1998	Barrett Katz
2009	Tournament cancelled	1997	Tournament cancelled
2008	Tournament cancelled	1996	Douglas Gaasterland
2007	Thomas France & Mylan Van Newkirk	1995	Robert Stamper
2006	Tournament cancelled	1994	Tournament cancelled
2005	Tournament cancelled	1995	Robert Stamper
2004	Cheryl Frueh	1994	Tournament cancelled
2003	Tournament cancelled	1993	D. Jackson Coleman
2002	Tournament cancelled	1992	Samuel McPherson, Jr.
2001	Barrett Katz	1991	Tournament cancelled
2000	Tournament cancelled	1990	D. Jackson Coleman

Table 23.15. Winners of the Beetham-Bullock Trophy – Skeet Shooting, Clay Pigeons

2011	Event not held	2000	Tournament cancelled
2010	Rand Spencer	1999	Allan Flach
2009	Tournament cancelled	1998	John Bullock
2008	Tournament cancelled	1997	Tournament cancelled
2007	Steve McLeod	1996	Tournament cancelled
2006	Tournament cancelled	1995	John Bullock
2005	Jackson Iliff	1994	Tournament cancelled
2004	Tournament cancelled	1993	John Bullock
2003	Tournament cancelled	1992	Walter Stark
2002	Mylan Van Newkirk	1991	Tournament cancelled
2001	Mylan Van Newkirk	1990	Jack Iliff

Table 23.16. Winners of the Armaly Cups (2) – Bridge

2000	Tournament cancelled	1994	Tournament cancelled
1999	Tournament cancelled	1993	Tournament cancelled
1998	Barbara Hamilton & Marilyn Miller	1992	Charlene Lawill
1997	Tournament cancelled	1991	Sally Guerry
1996	Tournament cancelled	1990	Tournament cancelled
1995	Tournament cancelled		

Table 23.17. Winners of the Durham Trophy – Lawn Bowling

2000	Tournament cancelled	1994	Tournament cancelled
1999	Tournament cancelled	1993	Joy Frayer
1998	Joy Frayer	1992	Tournament cancelled
1997	Tournament cancelled	1991	Tournament cancelled
1996	Tournament cancelled	1990	Tournament cancelled
1995	Vas Jones		

Running (No Trophy)

Athletics Director Tom Wood announced running as a new activity in 1989. Lee Jampol won that year, and John Payne in 1990. No trophies were awarded, and the event was not continued due to lack of interest. An exception occurred in 2005 with Susan Day's "AOS Run for Relevance." Trophies were not awarded, although participating members received tee shirts. Bill Good won, and David Weakley finished second. There was another attempt to have a running event in 2008, but it gathered little enthusiasm from the members, and there have been no further attempts to establish running as an activity at the Annual Meeting.

13

The Howe Medal

THE HOWE MEDAL: ITS HISTORY AND SIGNIFICANCE¹⁶

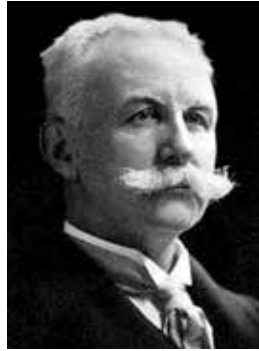


Fig 46.
Dr. Lucien Howe

The following lecture was given in 2008 by this book's co-author, Daniel M. Albert, at the 144th Annual Meeting of the AOS, at the Broadmoor Hotel in Colorado Springs, Colorado:

Who was Lucien Howe?

Lucien Howe was born in 1848 in the home of his grandfather, Dr. Ebenezer Howe, in Standish, Maine, and graduated from Bowdoin College in 1870. He studied medicine at Harvard, when Oliver Wendell Holmes was teaching anatomy there, continued his medical studies at Long Island College Hospital, and received his medical degree from Bellevue in 1872. On completing his medical studies, one of his mentors said to him, "There is a man in Edinburgh named Lister who thinks that fevers are caused by some sort of germ. I think there may be something in it. I advise

¹⁶ Albert, D. M. (2008). "The Howe Medal: Its history and significance." Delivered on May 17, 2008.

you to go over and see.” Howe studied under Lister and then worked in various clinics in France, Austria, and Germany, finally spending time as a student under Helmholtz. In 1874, Howe became a pioneer ophthalmologist in Buffalo, New York, then a comparatively small but growing city, where he practiced eye, ear, nose, and throat. Two years later, he founded the Buffalo Eye and Ear Infirmary and in 1879 became professor of ophthalmology at the University of Buffalo. Fifty years later, when Howe left Buffalo for Boston, he had treated 100,000 patients at the Buffalo Eye and Ear Infirmary. His monumental contribution to combating eye disease, for which he mobilized the AOS to give support, was for passage of the “Howe Bill” in the New York State legislature and subsequently in other state legislatures, which required prophylaxis for ophthalmia neonatorum. In addition, he wrote a monumental two-volume monograph, published between the years 1906 and 1908, titled *Muscles of the Eye*, which remained the leading English text on that subject for the next quarter of a century.

With a great capacity for leadership, Howe rose to become chair or president of each of the major medical or ophthalmic societies he belonged to. He was convinced of the fact that, “Medals and prizes for original work in medicine tend to promote healthy rivalry and to advance our science.” In addition, he was convinced of the fact that while young physicians coveted cash prizes, “Gold medals are more appreciated by investigators ripe in years and experience as lasting evidence of distinguished professional service.” Accordingly, on becoming president of the New York State Medical Society in 1906, president of the AOS in 1919, and chair of the section on ophthalmology of the American Medical Association in 1924, he gave each of these organizations a gift of \$1,500, to stimulate and reward original investigation of some phase of ophthalmology or allied sciences or allied branches of surgery; or for the discovery of some new method of examining or treating the eyes. Each of these medals eventually became known as the Howe Medal, as did a fourth medal established by the University of Buffalo and the Buffalo Ophthalmological Society in 1928, following Howe’s death that year, to honor his memory. The Howe Medal of the AOS became the most celebrated of these awards. Howe himself chaired the first committee on the prize medals (1919) and served on the committee that proposed the initial awards (1922–1924). He oversaw the investment of his gift in 4.5% Liberty bonds, and with the medal costing in the neighborhood of \$25 throughout the 1920s and 1930s, Howe envisioned that the income of the fund might eventually provide a cash prize as well as the medal.

A loyal alumnus of Harvard Medical School, in 1926 Howe funded the laboratories of ophthalmology at that university with a gift of \$250,000, and additionally

he left several hundred thousand more dollars in his will. Howe became the first director of the laboratory and was active in its organization at the time of his death in 1928.

What is the medal intended to recognize?

By the time the first medal was awarded in 1922, the criteria had been broadened. The medal could be given for one or more of the three following reasons: “a) an appreciation of discoveries so notable as to advance suddenly the progress of ophthalmology in all parts of the world. b) in recognition of less brilliant but still conspicuous service as a writer or teacher, during long years of devotion to our science. c) to encourage investigation among the younger ophthalmologists, in order that this recognition of their efforts may promote them to a higher and well-recognized place among their fellows, the reason for such an award being usually based on the result of research. The award may be made to any ophthalmologist in any country.”

Lucien Howe envisioned that, in keeping with the academic awards in the late 18th and early 19th centuries, the medal would promote a healthy rivalry among the members of the AOS, and candidates would submit an essay and reprints to the committee selecting the Howe medalist as a basis for the award. Frank Newell, in his 1989 history of the AOS, notes: “The committee selecting the Howe medalist carefully considers the conditions established by Lucien Howe. Whether a medal or a prize promotes a healthy rivalry and advances ophthalmic science, as suggested by Howe, is open to debate. As far as can be determined, an essay has neither been submitted nor considered as the basis for the award. No one has ever sent reprints to the chairman of the committee on prizes for consideration... There have been few discoveries since Koller ‘so notable as to advance suddenly the progress of ophthalmology in all parts of the world.’ An award has never been made ‘to encourage investigation among younger ophthalmologists’...” Thus most awards have been made in recognition of ‘less brilliant but still conspicuous service as a researcher or teacher, during long years of devotion to our science.’”

The Awardees

Since 1922, 73 ophthalmologists have received the Howe Medal of the AOS. The first, in 1922, was Carl Koller, who had been a member of the AOS since 1889. While serving as an intern and house surgeon at the Allgemeine Krankenhaus in Vienna, in 1884 he was the first to report the local anesthetic action of cocaine in

the eye, which essentially marked the inception of anesthetic eye surgery. In 1892, Koller described to the Society the use of subconjunctival cocaine in ophthalmic surgery. Newell states that the Howe Medal in 1922, in Koller's 65th year, was the first recognition he received for his momentous contribution. In fact, Derrik Vail, Sr., in his biography of Howe, speculated that Howe may have established the medal specifically to honor Koller. The second awardee of the Howe Medal was Alexander Duane, remembered today for his classification of motor anomalies affecting the eye. Ernst Fuchs, professor at the Second Eye Clinic of the University of Vienna, became the third Howe medalist. Fuchs was the first at the University of Vienna to provide graduate instruction in English, and more than 700 North American physicians attended his courses. Following Fuchs, Edward Jackson, Priestly Smith, Theodor Axenfeld, Frederick Verhoeff, George de Schweinitz, Sir John Herbert Parsons, and Arnold Knapp were the subsequent awardees. Newell notes, "In the first 25 years of the Howe Medal, between 1922 when awarded to Carl Koller and 1946 when awarded to Sir Stewart Duke-Elder, there were 13 recipients. Of these, one was from Austria, one from Germany, and three from England. Of the remaining eight recipients, all but Carl Koller had served as president of the Society. After 1946, the medal has been awarded every year, and the recipients include but one ophthalmologist, Ida Mann, from outside the United States."

What is the significance of the Howe Medal?

The Howe Medal denotes distinguished service to ophthalmology, and the medal is gratefully received and proudly worn by the recipient. It is viewed as a meaningful honor and generally the individuals who have received it have done credit to the AOS and to the award. There is a considerable subjective element to the selection of the medalist, although in my experience and in that of others who have served on the committee, the committee strives conscientiously to make the best choice it can.

Although Lucien Howe intended the medal to promote a healthy rivalry, to my mind the most beautiful aspect of the award is the pleasure and good feeling the membership take in seeing one of their own so honored.

HOWE MEDALIST BIOGRAPHIES (1990–2012)*

David Shoch
Chicago, Illinois
Howe Medal, 1990
93rd President, 1989



Fig 47. David Shoch
1990 Howe Medalist

Born in Warsaw, Poland, on June 10, 1918, Shoch came to the United States with his parents and sister in 1920. He attended the College of the City of New York (BS degree, 1938) and received a master of science (1939) and PhD in biochemistry (1943) from Northwestern University. He was awarded the Sigma Xi prize of 1943 for his thesis about the gastrointestinal system. In 1945, he obtained an MD. He interned at Cook County Hospital and then entered the US Army Medical Corps where he was assigned to the School of Aviation Medicine at Randolph Field, Texas. There he met General Victor Byrne who directed his interest to ophthalmology. At the conclusion of his army service, Shoch returned to Northwestern University for a research fellowship in ophthalmology and then a residency at Cook County Hospital (1950–1953). After his training ended, he became a clinical fellow with Derrick Vail, the 63rd president of the Society; editor of *American Journal of Ophthalmology*; and chairman of the Department of Ophthalmology at Northwestern University Medical School. He later joined Vail in private practice.

In 1966, Shoch succeeded Vail as professor and chairman of the Department of Ophthalmology at Northwestern University. He served as chairman until 1983 but continued as professor until his death. He was chairman of the Department of Ophthalmology at Northwestern Memorial Hospital, the Veterans Administration

*Biographies of Howe medalists who were AOS officers and/or Council members between 1990 and 2013 appear in chapter 7, "Officers and Council." Such medalists include Bradley R. Straatsma, 1992; Bruce E. Spivey, 1993; Thomas P. Kearns 1994; William Howard Spencer, 1995; W. Richard Green, 1997; William S. Tasman, 2000; Stanley M. Truhlsen, 2001; Daniel Myron Albert, 2007; Paul R. Lichter, 2008; Marilyn T. Miller, 2010; Dan B. Jones, 2013.

Lakeside Hospital, and a consultant at Children's Memorial Hospital. He was president of the medical council of Northwestern Memorial Hospital and a member of the executive committee of the board of directors. Additionally, he headed the Friends of the Medical Library for many years. A month before his death, Shoch received the Alumni Medal awarded annually to the alumnus of Northwestern University who had contributed most to society and to the University. Later, his friends and patients established the David Shoch Chair of Ophthalmology at Northwestern University.

He was president of the American Academy of Ophthalmology (1980) after serving as secretary for instruction (1971–78) and on the committee on restructuring that led to two separate academies. The Academy became an independent ophthalmic organization during his term as president, and he subsequently served on the Academy committee on recertification. He served as a member of the American Board of Ophthalmology (1969–80) and chair (1979); member of the Advisory Council for Ophthalmology of the American College of Surgeons (1968–1973); trustee of Association of University Professors of Ophthalmology (1969–73) and president (1972–73); president of the Chicago Ophthalmological Society (1963–1964); member of the board of directors of the Heed Ophthalmic Foundation (1967–83), secretary (1976–83), and executive secretary (1984–89/90); board member of the National Society for the Prevention of Blindness (1976–90), vice president (1982); member of the board of directors of the Illinois Society for the Prevention of Blindness (1972–74); on the editorial board of *American Journal of Ophthalmology* (1963–89/90); editor of the Abstract Section of *American Journal of Ophthalmology* (1966–90); and vice president of the Ophthalmic Publishing Company (1977–89/90). He edited the alumni bulletin of the Northwestern University Medical School (1974–84), provided editorial introductions to the chapters on the lens in the *Year Book of Ophthalmology* (1964–73), and was coauthor of the *Handbook of Ophthalmology: A Practical Guide* in 1987. He was the Guest of Honor of the American Academy of Ophthalmology in 1988.

He served on the committee on theses (1975–77), the Council (1983–86), and presided at the 1989 meeting of the American Ophthalmological Society when it celebrated its 125th year.

Shoch passed away on May 8, 1990. Upon his death, the prize committee awarded the Howe Medal posthumously for the first time.

Arnall Patz
Baltimore, Maryland
Howe Medal, 1991



Fig 48. Arnall Patz
1991 Howe Medalist

After graduating from Emory University School of Medicine in 1945, Patz served in the military and then became an assistant in the eye clinic at Walter Reed General Hospital for nine months before becoming a resident in ophthalmology at the District of Columbia General Hospital. He went into private practice while doing research at the Wilmer Eye Institute on the mechanism and treatment of retinopathy of prematurity (ROP) and neovascular diseases of the retina.

He left private practice in 1970 and worked full-time at Wilmer, where he saw patients and conducted research. As the Seeing Eye Research Professor, he founded the Retinal Vascular Center and was one of the first people in this country to recognize the potential of using lasers to treat retinal disease. He collaborated with colleagues at the Johns Hopkins Applied Physics Laboratory to develop one of the first argon lasers used to obliterate abnormal growth of blood vessels in the eyes of patients with diabetic retinopathy and other blinding neovascular diseases. He trained ophthalmologists from around the world, including many of Israel's leading retinal specialists. In 1979, Patz became the fourth director and William Holland Wilmer Professor of the Wilmer Eye Institute. During that time he enlarged the clinical and research facilities. At the time of his death, he was emeritus professor of ophthalmology at the Johns Hopkins University and emeritus director of the Wilmer Eye Institute.

He served as president of the American Academy of Ophthalmology (1987) and organized and chaired the Academy's National Diabetic Retinopathy project, Diabetes 2000 (1991), which served as the Academy's effort to dramatically reduce preventable blindness from diabetes mellitus. In addition, he served on many boards of directors and advisory groups. He held honorary degrees from the University of Pennsylvania, Emory, Thomas Jefferson University, and the Johns Hopkins

University. Later in life, Patz received a masters in liberal arts from the Johns Hopkins University. Helen Keller presented him with the Albert Lasker Clinical Medical Research Award (1956) for his work on the relationship between hyperoxia and ROP. His other awards include the Friedenwald Research Award from the Association for Research in Vision and Ophthalmology (ARVO) (1980), the Distinguished Scientist Award from the National Society for the Prevention of Blindness (1982), election to the Ophthalmology Hall of Fame of the American Society of Cataract and Refractive Surgery (2001), and the Presidential Medal of Freedom (2004).

An avid fisherman, especially talented at fly-fishing, Patz was banned from participating in the American Ophthalmology Society's annual fly-fishing contest after winning the trophy on three successive occasions.

Patz passed away in Baltimore on March 11, 2010.

*Bradley R. Straatsma, Howe Medal 1992, See Page 57

Bruce E. Spivey, Howe Medal 1993, See Page 61

Thomas P. Kearns, Howe Medal 1994, See Page 55

William Howard Spencer, Howe Medal 1995, See Page 65

Robert Machemer

Durham, North Carolina

Howe Medal, 1996



Fig 49. Robert Machemer
1996 Howe Medalist

Born in 1933, Machemer was a German native, having received his medical degree in Freiburg, Germany (1959). He was the son of an ophthalmologist, thus pursuing an ophthalmology residency in Göttingen and subsequently immigrating to the United States in 1966, where he completed a research fellowship in retina at Bascom Palmer Eye Institute.

Following an appointment as instructor (1968), he rose to associate professor (1974–1978) concurrently holding the position of chief of the Ophthalmology Section, Veterans' Administration Hospital, Miami. He remained at Bascom Palmer through 1978, where he was the first physician to produce an experimental retinal detachment in a primate animal model, an accomplishment which led to information on how the retina can heal following detachment. He accepted the position of chair at Duke (1978–1991), a position he held with great distinction for 13 years, helping the department to rise to national standing, particularly in research. Known as an excellent teacher in addition to his research and clinical talents, at Duke he trained numerous residents and fellows, many of whom were international. After stepping down as chair, he remained on the faculty through 1998. His research interests focused on the treatment of difficult retinal disorders, basic disease pathology, and development of experimental models, ultimately developing courses of therapy for difficult vitreoretinal problems. He conducted far-reaching research on the pathophysiology of retinal detachment and created the vitreous infusion suction cutter (VISC), facilitating closed-eye vitrectomy through the pars plana. In 1970, his inaugural pars plana vitrectomy earned him the title of “father of modern retinal surgery.” He credited Dr. Edward Norton's encouragement and his decade-long collaborator, Jean-Marie Parel, co-developer of the VISC, with his progress in the United States.

He received high honors and awards from a multitude of national and international organizations, including the Association for Research in Vision and Ophthalmology (ARVO), the American Academy of Ophthalmology, and the Club Jules Gonin.

Machemer passed away in his hometown of Durham on December 23, 2009.

*W. Richard Green, Howe Medal 1997, See Page 67

Alan B. Scott
San Francisco, California
Howe Medal, 1998



Fig 50. Alan B. Scott
1998 Howe Medalist

Born in Berkeley, California, in 1932, Scott graduated Phi Beta Kappa from the University of California at Berkeley in 1953. He received an MD from UCSF in 1956. He completed a straight surgical internship oriented toward cardiac surgery (1956–57) and a year of neurosurgery residency (1957–58) at the University of Minnesota, two years of ophthalmology at Stanford (1958–60), and finished his ophthalmology residency at California Pacific Medical Center in San Francisco in 1961.

Scott joined Arthur Jampolsky in practice and research in 1961. As co-director, he helped build the Smith-Kettlewell Eye Research Institute in San Francisco over the ensuing years. As a staff member and vice-chair, he supported the CPMC Eye Department and is on the board of its supporting Pacific Vision Foundation. Working as a clinical experimentalist, Scott contributed to basic force and EMG analysis of eye movements, from which evolved surgical techniques such as inferior oblique anteriorization and posterior superior oblique tenotomy. He developed the injection of drugs to correct strabismus, first using Botox® to weaken overactive muscles and currently bupivacaine to shorten and strengthen eye muscles for strabismus and ptosis.

Scott has received the Proctor Medal of the Association of Research in Vision and Ophthalmology, the Linksz Award of the International Strabismus Association, the Costenbader Lecture of the AAPOS, the Senior Honor Award of the AAO, and the Parks Silver Medal of the Children's Eye Foundation. He has written scientific papers and chapters on various aspects of strabismus. He continues to practice and to participate in research.

He served as an AOS auditor (1997).

Lorenz E. Zimmerman

Washington, DC

Howe Medal, 1999

Honorary Member, 1985

Verhoeff Lecture, 1971



Fig 51. Lorenz E. Zimmerman
1999 Howe Medalist

Born in Washington, DC, on November 15, 1920, Zimmerman received an AB (1943) and an MD (1945), both “With Distinction,” from George Washington University. He interned at Gallinger Municipal Hospital, Washington, DC, from 1945 to 1946 and then completed a general pathology residency at the Walter Reed Army Medical Center (1947–1950). The start of the Korean War coincided with the end of his residency, and Zimmerman served in Korea for two years (1950–1952) as the commanding officer of the 8217th Mobile Medical Laboratory. He was awarded the Bronze Star and the Legion of Merit for his service. He resigned from the Army as a lieutenant-colonel and returned to Washington in 1952, where he was stationed on the campus of the Walter Reed Army Medical Center at the Armed Forces Institute of Pathology.

Although he did not have specific training in pathology of the eye and ocular adnexa, he served as chair of the Department of Ophthalmic Pathology (1954–1983) and registrar of the Registry of Ophthalmic Pathology. In 1983, he became professor of pathology and ophthalmology at Georgetown University Medical School. Recognized as the founder of modern ophthalmic pathology, he dedicated his life to the study of the pathologic basis of ocular disease. Through his work, he made seminal contributions to the practice of ophthalmology, including the recognition of various entities causing leukocoria and the management of ocular melanoma. He has had a great impact on ophthalmic pathology as a scientist, investigator, writer, and teacher, training over 50 fellows in the field of ophthalmic pathology.

He was chair of the committee on pathology of the Pan-American Association of Ophthalmology (1968), chair of the board of trustees of the Association for Research in Vision and Ophthalmology (ARVO) (1971), head of the World Health Organization International Reference Center for Tumors of the Eye (1972), and president of the Sociedad Pan-America de Patologia Ocular (1980). He has been a visiting professor at many medical schools, consulted widely with the National Institutes of

Health, and served on the editorial boards of *Archives of Ophthalmology* and *Investigative Ophthalmology*. A prolific author and lecturer, he co-authored the original Hogan and Zimmerman *Ophthalmic Pathology* text, originally published in 1962. He contributed to subsequent editions, and the latest, Spencer's *Ophthalmic Pathology*, is now four volumes. He authored over 300 articles in peer-reviewed journals, many of which are landmark contributions. He has delivered more than 80 named lectures, including the 1960 Edward Jackson Memorial Lecture of the American Academy of Ophthalmology and Otolaryngology and the 1980 Bowman Lecture at the centenary meeting of the Ophthalmological Society of the United Kingdom. He has received numerous honors: Alpha Omega Alpha; Veterans Administration Commendation Certificate (1958); Army Civilian Service Decorations (1963 and 1967); Alumni Award (George Washington University, 1968); Department of Defense Distinguished Civilian Award (1969); The Ernst Jung Prize for Medicine (1976); Donders Medal (Netherlands Ophthalmological Society, 1978); Antwerp University Medal (1978); honorary DSc, University of Illinois (1981); Leslie Dana Gold Medal (St. Louis Society for the Blind, 1982); Senior Honor Award (American Academy of Ophthalmology, 1960 and 1984); Research to Prevent Blindness-Jules Stein Award (1985); Presidential Award Meritorious Executive Rank, Senior Executive Service (1982); Friedenwald Award (Association for Research in Ophthalmology, 1964); Medalla de Oro Instituto Barraquer, Barcelona (1969); Medalla de Oro, Malbran, Buenos Aires (1986); the Helen Keller Prize for Vision Research (1999); and the Pisart Vision Award. He is an honorary member of the national ophthalmologic societies of Chile, Brazil, Peru, The Philippines, and Australia. He was a founding member of the Verhoeff Society for Ophthalmic Pathology; in 1998, the Society voted to change its name to the Verhoeff-Zimmerman Society to honor his contributions. The American Academy of Ophthalmology (AAO) honored Zimmerman with the creation of the Lorenz E. Zimmerman Lecture, given at the AAO Annual Meeting, and awarded him the Laureate Recognition Award at the 110th AAO Annual Meeting in 2006. He was voted by his peers to be one of the 20th century's ten most influential "ophthalmologists" [sic]. He continued to teach until his death.

He is the only nonophthalmologist to receive the Howe Medal and one of the few non-ophthalmologists to be elected to honorary membership in the Society. He was a guest speaker on the regular program before election. He delivered the 4th Verhoeff Lecture (1971) of the Society.

Zimmerman passed away in Washington, DC, on March 16, 2013.

*William S. Tasman, Howe Medal 2000, See Page 68

Stanley M. Truhlsen, Howe Medal 2001, See Page 63

Crowell Beard

San Jose, California

Howe Medal, 2002



Fig 52. Crowell Beard
2002 Howe Medalist

Born May 23, 1912, in Napa, California, Beard enrolled in the University of California at Berkeley. Crowell studied economics, statistics, and Chinese. However, he realized his real interests were in the natural sciences and people, so he changed his major to premedicine. Following university graduation, he studied medicine at the University of California in San Francisco. After traveling east and completing his ophthalmology residency at the Mayo Clinic in Minnesota, he returned to San Francisco and began the private practice of ophthalmology.

Beard joined the military to fight during World War II. He completed basic training in the Army at Carlisle Barracks in Pennsylvania, posted to the South Pacific, and was reassigned to Dibble Hospital in Menlo Park, California. There he met his new chief, Dr. Phillips Thygeson, and under his influence and friendship Beard helped nurture innovative surgical techniques and approaches as he cared for and attempted to improve the condition of the service men and women who had returned severely traumatized from the Pacific theater; thus helping to give birth to the new subspecialty of oculoplastic surgery. After the war, he returned to San Jose, California, and began an ophthalmology practice with Thygeson and concurrently began a private practice in Reno, Nevada. He accepted an invitation from Dr. Frederick C. Cordes to join the faculty of the Department of Ophthalmology at the University of California in San Francisco. At his private practices and the University, Crowell taught students, residents, fellows, and faculty.

He contributed many books, chapters, medical journal publications, invited lectures, and surgical teaching sessions to the field of ophthalmology; taught at the yearly meetings of the American Academy of Ophthalmology and Otolaryngology; and helped form the American Society of Ophthalmic Plastic and Reconstructive Surgeons (ASOPRS).

He received the Lucien Howe Medal one day prior to his 90th birthday.

Alfred Sommer
Baltimore, Maryland
Howe Medal, 2003
Verhoeff Lecture, 2013



Fig 53. Alfred Sommer
2003 Howe Medalist

Born in New York City, Sommer received his MD from Harvard Medical School (1967), his master of health science in epidemiology from the Johns Hopkins School of Public Health (1973), and his ophthalmology training at the Wilmer Eye Institute.

From 1976 to 1979, he lived with his family in Indonesia, where he began his studies on the extent and role of vitamin A deficiency in childhood blindness, morbidity, and mortality. After a year of analysis and writing at the Institute of Ophthalmology in London, he returned to Wilmer to establish what would become the Dana Center for Preventive Ophthalmology. He became Professor of Ophthalmology, Epidemiology, and International Health in 1982, with a focus on vitamin A deficiency, glaucoma, clinical guidelines, and preventive ophthalmology. He served as dean of the Johns Hopkins Bloomberg School of Public Health (1990–2005). He is currently University Distinguished Service Professor and a Gilman Scholar at the Johns Hopkins Schools of Medicine and Public Health, and dean emeritus of the School of Public Health. He is chair of the board of the Lasker Foundation.

Sommer's numerous awards and honors include election to both the National Academy of Science and the Institute of Medicine. He is a recipient of the Lasker Award for Clinical Research, the Prince Mahidol Award, the Laureate Award of the American Academy of Ophthalmology, the American Society of Cataract and Refractive Surgery (ASCRS) Ophthalmology Hall of Fame, the International Duke Elder Gold Medal and the Gonin Medal of the International Council of Ophthalmology, the Warren Alpert Research Prize, the Helmut Horten Prize, and the Pollin Prize, among others.

He delivered the 17th Verhoeff Lecture (2013) of the Society.

Arthur Jampolsky
Belvedere, California
Howe Medal, 2004



Fig 54. Arthur Jampolsky
2004 Howe Medalist

Born on April 24, 1919, in Bismarck, North Dakota, at age three Jampolsky moved to Long Beach, California, where he attended school. He graduated from UC Berkeley (1940) with a major in optometry and obtained his MD from Stanford. After completing his internship, he volunteered for active duty in the Army Medical Corps, and after basic training in Alabama, he was shipped to the Pacific Theater (Philippines). His final year of service was as the medical officer at the MacArthur General Headquarters Medical Unit, Tokyo. He completed the first Lancaster course given in Florida. He developed close relationships with Lancaster, Linksz, and Boeder. Lancaster arranged for his apprenticeship with Frank Costenbader who had begun a pediatric specialty. Lancaster and Linksz arranged his apprenticeship with Keith Lyle, a renowned strabismus specialist and author, in London. After completing his Stanford ophthalmology residency, he joined the practice of Hans Barkan, MD, chief of Stanford's Eye Department in San Francisco. Barkan foresaw the specialized trend in ophthalmologists and encouraged Jampolsky to pursue strabismus. With Barkan's support, he took a six-month leave of absence to be a visiting research fellow at Stockholm's Karolinska Institute.

Jampolsky opened his own practice and specialized in strabismus and binocular vision problems, dividing his time, half to private practice and half to strabismus research. He founded the Smith-Kettlewell Eye Research Institute in San Francisco, an independent, research-only organization, which celebrates its 50th anniversary in 2013. He serves as president of its board of directors.

With Curt Cüppers, Jampolsky co-founded the International Strabismological Association. He was on the founding board of San Francisco's Exploratorium Museum, was a charter member of the American Association for Pediatric Ophthalmology and Strabismus, and was involved in the formation of the Associa-

tion of Research in Ophthalmology (ARO; now ARVO). He served as chair of the Executive Council of the National Academy of Sciences, and after committee involvements, served as a member of the National Advisory Council of the NEI. He received the following awards and medals: the AAO's Award of Merit and Senior Honor Award, the Lion's Club International Humanitarian Award (1994), and ARVO's Mildred Wiesenfeld Award for Excellence in Ophthalmology (2002); he was elected to the Hall of Fame, UC-Berkeley School of Optometry (2007). He is the author of more than 300 publications in peer-reviewed medical journals and 57 chapters in texts; co-author of one strabismus text (*Ocular Deviations*); and co-editor of *Clinical Applications of Visual Psychophysics*. He has presented approximately 50 honorary-named lectureships on six continents.

Stephen J. Ryan
Los Angeles, California
Howe Medal, 2005



Fig 55. Stephen J. Ryan
2005 Howe Medalist

Born on March 20, 1940, in Honolulu, Hawaii, Ryan received his bachelor's degree from Providence College (1961), which awarded him a Doctor of Science (*honoris causa*, 1977). He was awarded his MD from the Johns Hopkins University School of Medicine (1965). Ryan completed his residency and chief residency at the Wilmer Eye Institute at Johns Hopkins, where he subsequently became assistant and associate professor of ophthalmology. He completed an ophthalmic pathology fellowship at the Armed Forces Institute of Pathology (1971).

Ryan is the president of the Doheny Eye Institute and the Grace and Beardsley Distinguished Professor of Ophthalmology at the University of Southern California. He has served as chair of the Department of Ophthalmology of the University of Southern California, dean of the Keck School of Medicine of USC, and senior vice president of Medical Care of USC.

He is home secretary of the Institute of Medicine of the National Academy of Sciences and is the founding president of the National Alliance for Eye and Vision Research (NAEVR). He is a member of numerous ophthalmologic organizations and has served as president of the Macula Society and of the Association of University Professors of Ophthalmology. He is currently president of the International Council of Ophthalmology Foundation and a board member of the International Council of Ophthalmology. He is the author or editor of nine books (including *Retina*, 5th edition) and over 285 articles in the scientific peer-reviewed literature. He has delivered 40 named lectures and has received 30 prestigious medals and awards, including the American Academy of Ophthalmology Laureate Award (2012). An internationally recognized expert in the field of retinal diseases and ocular trauma, Ryan has provided congressional testimony on numerous occasions in support of the National Institutes of Health and the National Eye Institute.

Matthew D. Davis
Madison, Wisconsin
Howe Medal, 2006



Fig 56. Matthew D. Davis
2006 Howe Medalist

Born in Madison, Wisconsin, in 1926, Davis completed medical school at the University of Pennsylvania, his internship and ophthalmology residency at the University of Wisconsin, and a fellowship in retina with Charles Schepens at the Massachusetts Eye and Ear Infirmary. Notably, Davis's father, Frederick Allison Davis, was the inaugural chair of the ophthalmology division of the University of Wisconsin Medical School in 1925, an active member of the AOS, and the recipient of the Knapp Medal in 1939 for his paper on primary tumors of the optic nerve.

In 1956, Davis returned to Madison, joining his father and brother, Jeff, in the practice of ophthalmology and as a member of the small part-time faculty comprising the Ophthalmology Division of the Surgery Department at the University of Wisconsin Medical School. Over the next 15 years, Davis won national recognition for his work on classifying diabetic retinopathy and documenting its natural course using serial stereoscopic retinal photographs. In 1970, UW Ophthalmology achieved the status of an independent department, and Davis served as its first full-time chair from 1970 to 1986. He was instrumental in recruiting a number of promising young faculty members, several of whom have become nationally and internationally recognized leaders. He became professor emeritus in 1996.

From 1972 to 1979, he chaired the Diabetic Retinopathy Study, the first randomized multicenter clinical trial sponsored by the National Eye Institute. The trial demonstrated that photocoagulation substantially reduced the risk of blindness from diabetic retinopathy. To provide central grading of retinal photographs collected in the trial, he established the UW Fundus Photograph Reading Center. The Center has continued to serve this function in many subsequent trials, including the Early Treatment Diabetic Retinopathy Study, the Diabetes Control and Complications Trial, and the Age-Related Eye Disease Study. Davis is an author or co-author

of more than 200 peer-reviewed articles and has received several honors, including the Mildred Weisenfeld Award from the Association for Research in Vision and Ophthalmology (1989) and the Arnall Patz Medal from the Macula Society (1992).

*Daniel Myron Albert, Howe Medal 2007, See Page 79
Paul R. Lichter, Howe Medal 2008, See Page 71

Denis Michael O'Day
Nashville, Tennessee
Howe Medal, 2009

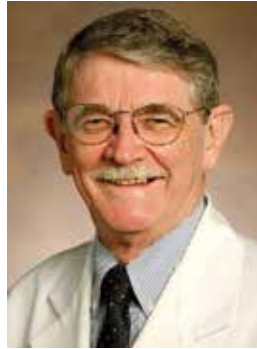


Fig 57. Denis Michael O'Day
2009 Howe Medalist

Born 1935, in Melbourne, Australia, O'Day trained in internal medicine in Australia prior to completing a residency in ophthalmology at the University of California, San Francisco, and a fellowship in cornea and external disease at Moorfields Eye Hospital in London.

He joined the faculty at Vanderbilt University (1972) and became chair of the Department of Ophthalmology (1992–2002). He established the Emphasis Program (2002), which provided first-year and second-year medical students with faculty mentors. Vanderbilt established the Denis M. O'Day Chair in Ophthalmology (2010). During his four-decade ophthalmological career, he continually focused on medical education and quality patient care.

He served the American Board of Ophthalmology (ABO) for more than 17 years, first as an examiner for the oral examinations and item writer for the written examinations and then as a board director and the chair of the written examinations committee. He served as the executive director of the ABO (1996–2006), and through his leadership, the ABO made significant improvements to its written and oral examinations for the initial certification process and introduced the American Board of Medical Specialties Maintenance of Certification, presently a continuous process designed to improve the practice of ophthalmology. Widely recognized as a leader in ophthalmic education, he made significant contributions through the American Academy of Ophthalmology and numerous other ophthalmology organizations. He ministered to the underserved in Nashville, Tennessee, through work with the Social Justice Committee, and he served as vice chair of the Visiting Foundation, an organization responsible for building and operating a hospital in Haiti.

O'Day passed away on September 9, 2012, following a valiant three-year battle with glioblastoma. He was 76 years of age.

*Marilyn T. Miller, Howe Medal 2010, See Page 74

Robert Rex Waller
Memphis, Tennessee
Howe Medalist, 2011



Fig 58. Robert Rex Waller
2011 Howe Medalist

Born February 19, 1937, in New York City, Waller received a BA from Duke University (1958) and an MD from the University of Tennessee (1963). Subsequent training included internship at the City of Memphis Hospitals in Tennessee (1963–64), residency training at the Mayo Clinic in internal medicine and ophthalmology (1966–70), and a fellowship in Oculoplastic Surgery, University of California, San Francisco (1973).

He started practice in 1970 as a consultant in ophthalmology at the Mayo Clinic, where he remained for his entire career, having obtained the rank of professor of ophthalmology in Mayo Medical School in 1980. He served as chair of the Department of Ophthalmology at Mayo Clinic/Mayo Medical School (1974–84) and on the Mayo Clinic board of governors (1978–93), during which time he was vice chair (1982–87) and chair (1988–93). He served on the Trustees of the Mayo Clinic system, serving as president and chief executive officer of the Mayo system (1988–99).

Positions held outside the Mayo Clinic have included directorships for the Healthcare Leadership Council, Malcolm Baldrige National Quality Award Foundation, Institute for Healthcare Improvement, Agency for Healthcare Research and Quality (AHRQ), Jackson Hole Group, Minnesota Business Partnership, Principal Financial Group, Hormel Foods Corporation, Rhodes College, The Church Health Center in Memphis, and the Howard Baker School of Public Policy in Knoxville, Tennessee. His honors include Alpha Omega Alpha (1962); Marvin H. Quickert Award, American Society of Ophthalmic Plastic and Reconstructive Surgery (1977); Teacher of the Year Award for Ophthalmology at Mayo Clinic (1977); Heed Foundation Fellow (1973); Heed Foundation Award in recognition for contributions to American Ophthalmology (1985); Distinguished Alumnus, University of Tennessee (1987); Guest of Honor, American Academy of Ophthalmology (1993); and the

Whitney and Betty MacMillan Professorship in Ophthalmology in Honor of Dr. Waller (1999). Waller has been a member of the Orbital Society, the International Orbital Society, the Society of Heed Fellows, and the Society of Medical Administrators and served on the American Board of Ophthalmology (1982–89; chair in 1989). He received an honorary Doctor of Letters from the University of Jacksonville (1992) and the Yater Award by the American Group Practice Association (1996) and was awarded an honorary Fellowship of the Royal College of Surgeons in Ireland (2001). He was inducted into the nation's Health Care Hall of Fame (2003), received the JURAN medal from the American Society for Quality (2005), and was awarded an honorary Doctor of Humanities degree from Rhodes College (2012).

He served on the committee on prizes (2000–02) and the committee on emeriti (2004–06).

Hugh R. Taylor
Carlton, Victoria, Australia
Howe Medalist, 2012



Fig 59. Hugh R. Taylor
2012 Howe Medalist

Born in Melbourne, Australia, in 1947, Taylor received a bachelor of medicine, bachelor of surgery (1971), diploma of ophthalmology (1975), and doctorate of medicine (1979) from the University of Melbourne. He became a Fellow of the Royal Australian College of Ophthalmologists in 1976. He was the assistant director of the National Trachoma and Eye Health Program (1976–77) and went to the Wilmer Eye Institute in 1977 as a corneal fellow.

When he left Johns Hopkins in 1990, he was a professor of ophthalmology, epidemiology, and international health. He was also the associate director of the Dana Center for Preventive Ophthalmology. He returned to Australia in 1990 as the Ringland Anderson Professor of Ophthalmology and chair of the Department of Ophthalmology at the University of Melbourne. He was the founding director of the Centre for Eye Research Australia (1996–2007) and became the Harold Mitchell Chair of Indigenous Eye Health in the Melbourne School of Population Health at the University of Melbourne (2008–). His research interests include infectious and corneal causes of blindness, blindness prevention strategies, and the relationship between medicine, public health, and health economics. His current work particularly focuses on Aboriginal eye health and trachoma. His population-based studies of eye health in Australia have defined the eye research agenda and the planning and funding of eye care delivery in Australia, particularly for the Australian Aboriginal community. He has authored over 600 publications.

Taylor has also played a leadership role internationally as a consultant to the World Health Organization, treasurer and president-elect of the International Council of Ophthalmology, and former vice president of the International Agency for the Prevention of Blindness. His work has been recognized by 16 international awards, including the Jackson Lecture, the Lifetime Achievement Award from the

Academy of Ophthalmology, and the Helen Keller Prize for Vision Research. In 2001, he was made a Companion in the Order of Australia in recognition of his contributions to the prevention of river blindness, to academia, and to eye health in indigenous communities.

Table 24. Recipients of the Howe Medal 1990–2013

Year	Name	Residence	Chair, Committee on Prizes	Members of Committee on Prizes
1990	David Shoch (posthumous)	Chicago, IL	R. Burns	T. R. Hedges, Jr.; D. Guerry, III
1991	Arnall Patz	Baltimore, MD	T. R. Hedges, Jr.	D. Guerry, III, F. Gutman
1992	Bradley R. Straatsma (President, 1993)	Los Angeles, CA	F. Gutman	J. Dixon, M. Parks
1993	Bruce E. Spivey (President, 1995)	San Francisco, CA	M. Parks	J. Dixon, W. C. Frayer
1994	Thomas P. Kearns (President, 1992)	Rochester, MN	J. Dixon	W. C. Frayer, R. L. Stamper
1995	William H. Spencer (President, 1997)	San Francisco, CA	W. C. Frayer	R. L. Stamper, D. Knox
1996	Robert Machemer	Durham, NC	R. L. Stamper	D. Knox, M. R. Ing
1997	W. Richard Green (President, 1998)	Baltimore, MD	D. Knox	M. R. Ing, M. Rubin
1998	Alan B. Scott	San Francisco, CA	M. R. Ing	J. T. Flynn, F. M. Wilson, II
1999	Lorenz E. Zimmerman	Washington DC	J. T. Flynn	F. M. Wilson, II, R. E. Kennedy
2000	William S. Tasman (President, 1999)	Philadelphia, PA	F. M. Wilson, II	R. E. Kennedy, R. R. Waller
2001	Stanley M. Truhlsen (President, 1996)	Omaha, NE	R. E. Kennedy	R. R. Waller, R. Brubaker

Table 24. Recipients of the Howe Medal 1990–2013 (continued)

Year	Name	Residence	Chair, Committee on Prizes	Members of Committee on Prizes
2002	Crowell Beard	San Jose, CA	R. R. Waller	R. Brubaker, B. E. Spivey
2003	Alfred Sommer	Baltimore, MD	R. Brubaker	B. E. Spivey, W. S. Tasman
2004	Arthur Jampolsky	Belvedere, CA	B. E. Spivey	W. S. Tasman, G. L. Spaeth
2005	Stephen J. Ryan	Los Angeles, CA	W. S. Tasman	G. L. Spaeth, R. E. Smith
2006	Matthew D. Davis	Madison, WI	G. L. Spaeth	R. E. Smith, D. M. Robertson
2007	Daniel M. Albert (President, 2006)	Madison, WI	R. E. Smith	D. M. Robertson, D. Anderson
2008	Paul R. Lichter (President, 2001)	Ann Arbor, MI	D. M. Robertson	D. Anderson, D. M. Albert
2009	Denis M. O'Day	Nashville, TN	D. Anderson	D. M. Albert, J. B. Crawford
2010	Marilyn T. Miller (President, 2003)	Chicago, IL	D. M. Albert	J. B. Crawford, P. R. Lichter
2011	Robert R. Waller	Memphis, TN	J. B. Crawford	P. R. Lichter, J. G. Clarkson
2012	Hugh R. Taylor	Carlton, Australia	P. R. Lichter	J. G. Clarkson, M. T. Miller
2013	Dan B. Jones (President, 2008)	Frisco, TX	J. G. Clarkson	M. T. Miller, G. B. Bartley

Representation and Financial Support to Other Societies

The Society provides representation and/or financial support to many other societies and organizations. From 1990 to 1997, the Society gave financial support to the National Association for Biomedical Research, the International Agency for the Prevention of Blindness, the Foundation of the Joint Commission on Allied Health Personnel in Ophthalmology, and the International Federation of Ophthalmic Societies. Currently, the Society sends representatives only (no financial support) to the American Academy of Ophthalmology (AAO), the Pan-American Association of Ophthalmologists (PAAO), the American College of Surgeons (ACS), and the American Orthoptic Council (AOC), which oversees the American Association of Certified Orthoptists (AACO). The Society sends both representatives and the occasional donation to the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO). In 2011, a donation was given to JCAHPO with the stipulation that the recipient be informed that the donation came from the Society and must be used to support travel to the annual training meeting. The Society also sends representatives and provides dues payments to the International Council of Ophthalmology (ICO) and until 2003 provided financial support in the form of dues to the American Orthoptic Council (AOC), but now only provides representation. In the past, the Society donated to the Heed Ophthalmic Foundation and offered Heed scholarships but no longer provides support. In 2012, the Society contributed \$15,000 to the “Heed Foundation Resident Retreat,” a teaching conference that develops young ophthalmic leaders. This contribution may be continued in the future. The Society also recently provided donations to the National Alliance for Eye and Vision Research (NAEVR) and has done so in the past. However, the Society no longer offers support to NAEVR because it has advocacy as its mission. To preserve its records, the Society affiliates itself with the New York Academy of Medicine, which maintains and preserves the Society’s Council minutes.

**PAN-AMERICAN ASSOCIATION OF
OPHTHALMOLOGY (PAAO) REPRESENTATIVE**

The Pan American Association of Ophthalmology (PAAO) Representative (Table 25) prepares an annual report and submits it to the executive vice president of the Society prior to the Annual Meeting. The report summarizes the activities of the PAAO during the preceding year with a report on biennial and/or interim Congresses and updated information on:

- Activities of the Pan-American Council of University Professors in Ophthalmology (PACUPO)
- The Fellowship Committee
- The Visiting Professors Program
- Other meetings and courses held on the initiatives of the PAAO or in collaboration with other societies (e.g., Pan ARVO Day and PAAO meetings preceding and/or following the AAO Annual Meeting)
- Major initiatives of the year
- Date and location of the next Congress
- List and availability of monetary awards and prizes

Table 25. PAAO Representatives (1990–2013)

Year	Representative
1990	José Berrocal
1991	Manuel N. Miranda
1992	Manuel N. Miranda
1993	William Townsend
1994	William Townsend
1995	William Townsend
1996	Suzanne Véronneau-Troutman
1997	Suzanne Véronneau-Troutman
1998	Suzanne Véronneau-Troutman
1999	Suzanne Véronneau-Troutman
2000	Suzanne Véronneau-Troutman
2001	Suzanne Véronneau-Troutman
2002	Suzanne Véronneau-Troutman

2003	Suzanne Véronneau-Troutman
2004	Suzanne Véronneau-Troutman
2005	Suzanne Véronneau-Troutman
2006	Suzanne Véronneau-Troutman
2007	Suzanne Véronneau-Troutman
2008	Suzanne Véronneau-Troutman
2009	Suzanne Véronneau-Troutman
2010	Suzanne Véronneau-Troutman
2011	Eduardo C. Alfonso
2012	Eduardo C. Alfonso
2013	Eduardo C. Alfonso

AMERICAN COLLEGE OF SURGEONS (ACS) REPRESENTATIVE

The Society has one representative to the American College of Surgeons (ACS) that attends the annual meeting of the ACS in the fall of each year, along with other special meetings that are called. The representative sits on the ophthalmic advisory section of the College and must attend their scheduled meetings. An alternate representative is also selected to attend meetings if necessary (Table 26). ACS determines the terms served, and the representative must be in active good standing with both the Society and the ACS. The representative is required to send a timely written report of proceedings of the pertinent meetings of the ACS to the Society, which is incorporated into the annual Society reports.

Table 26. ACS Representatives (1990–2013)

Year	Representative	Alternate
1990	Melvin G. Alper	
1991	Melvin G. Alper	
1992	Melvin G. Alper	
1993	Melvin G. Alper	
1994	Ronald M. Burde	
1995	Ronald M. Burde	W. Banks Anderson, Jr.

Table 26. ACS Representatives (1990–2013) (continued)

Year	Representative	Alternate
1996	Alan Sugar	
1997	Alan Sugar	
1998	Alan Sugar	
1999	Alan Sugar	
2000	Gerhard Cibis	
2001	Barrett G. Haik	Malcom Mazow
2002	Barrett G. Haik	
2003	Barrett G. Haik	Malcolm Mazow
2004	Barrett G. Haik	Malcolm Mazow
2005	Barrett G. Haik	
2006	Malcolm L. Mazow	William Mieler
2007	Malcolm L. Mazow	William Mieler
2008	Malcom L. Mazow	William Mieler
2009	Malcolm L. Mazow	Edward L. Raab
2010	Malcolm L. Mazow	Edward L. Raab
2011	Malcolm L. Mazow	Edward L. Raab
2012	Malcolm L. Mazow	Edward L. Raab
2013	Edward L. Raab	George L. Spaeth

**AMERICAN ORTHOPTIC COUNCIL (AOC)
REPRESENTATIVE**

The American Orthoptic Council (AOC) accredits orthoptic training programs, examines and certifies graduates of these programs, and oversees the continuing education and practice of certified orthoptists. Orthoptists are valued collaborators to pediatric ophthalmology and strabismus subspecialists. The Society appoints three representatives (Table 27) to the AOC, which oversees the American Association of Certified Orthoptists (AACO).

Table 27. AOC Representatives (1990–2013)

Year	Representatives
1990	Thomas D. France, Edward L. Raab, Richard M. Robb
1991	No representatives
1992	No representatives
1993	Thomas D. France, Edward L. Raab, Richard M. Robb
1994	Thomas D. France, Edward L. Raab, Richard M. Robb
1995	Thomas D. France, Edward L. Raab, Richard M. Robb
1996	Thomas D. France, Edward L. Raab, Richard M. Robb
1997	Thomas D. France, Edward L. Raab, Albert W. Biglan
1998	Thomas D. France, Edward L. Raab, Albert W. Biglan
1999	Thomas D. France, Edward L. Raab, Albert W. Biglan
2000	Thomas D. France, Edward L. Raab, Albert W. Biglan
2001	Thomas D. France, Edward L. Raab, David R. Weakley, Jr.
2002	Thomas D. France, Edward L. Raab, David R. Weakley, Jr.
2003	Thomas D. France, Edward L. Raab, David R. Weakley, Jr.
2004	Thomas D. France, Edward L. Raab, David R. Weakley, Jr.
2005	Edward L. Raab, David R. Weakley Jr., Thomas D. France
2006	Edward L. Raab, David R. Weakley Jr., Thomas D. France
2007	Edward L. Raab, David R. Weakley Jr., Thomas D. France
2008	Edward L. Raab, David R. Weakley Jr., Thomas D. France
2009	Thomas D. France, Edward L. Raab, David R. Weakley, Jr.
2010	Thomas D. France, Edward L. Raab, David R. Weakley, Jr.
2011	Thomas D. France, Edward L. Raab, David R. Weakley, Jr.
2012	Thomas D. France, Edward L. Raab, David R. Weakley, Jr.
2013	Thomas D. France, Edward L. Raab, David R. Weakley, Jr.

REPRESENTATIVE TO THE COUNCIL OF THE AMERICAN ACADEMY OF OPHTHALMOLOGY

The Society's representative to The Council of the American Academy of Ophthalmology (Table 28) is required to be present at The Council's annual Academy

meeting and mid-year forum and to provide semiannual reports, along with an annual report prior to the Society's Annual Meeting. An alternate representative is selected to attend meetings if necessary.

The Council serves an advisory role to the AAO board of trustees, providing a way for the state and subspecialty societies to coordinate and communicate their common issues to the board. The Council primarily focuses on the socioeconomic, governmental, political, and legislative concerns of the AAO membership.

Table 28. AAO Council Representatives (1990–2013)

Year	Representative	Alternate
1990	Robert E. Kennedy	
1991	John D. Bullock	W. Banks Anderson, Jr.
1992	John D. Bullock	
1993	John D. Bullock	
1994	John D. Bullock	W. Banks Anderson, Jr.
1995	John D. Bullock	W. Banks Anderson, Jr.
1996	John D. Bullock	W. Banks Anderson, Jr.
1997	Albert W. Biglan	
1998	Albert W. Biglan	
1999	Albert W. Biglan	
2000	Albert W. Biglan	
2001	Albert W. Biglan	
2002	Albert W. Biglan	
2003	Albert W. Biglan	John F. O'Neill
2004	Albert W. Biglan	John F. O'Neill
2005	John F. O'Neill	C. P. Wilkinson
2006	John F. O'Neill	C. P. Wilkinson
2007	John F. O'Neill	C. P. Wilkinson
2008	John F. O'Neill,	Thomas J. Liesegang
2009	Thomas J. Liesegang	Richard P. Mills
2010	Thomas J. Liesegang	Richard P. Mills
2011	Thomas J. Liesegang	Richard P. Mills
2012	Thomas J. Liesegang	Richard P. Mills
2013	Thomas J. Liesegang	Richard P. Mills

**REPRESENTATIVE TO THE INTERNATIONAL
COUNCIL OF OPHTHALMOLOGY (ICO)
(PREVIOUSLY INTERNATIONAL FEDERATION
OF OPHTHALMIC SOCIETIES)**

The representative to the International Council of Ophthalmology (ICO) (Table 29) receives regular communications from the Council, alerts Society officers to matters of concern, and attends the biannual meeting of the ICO, which meets during the World Ophthalmology Congress.

Table 29. ICO Representatives (1990–2013)

Year	Representative
1990	J. Wallace McMeel
1991	H. MacKenzie Freeman
1992	H. MacKenzie Freeman
1993	H. MacKenzie Freeman
1994	H. MacKenzie Freeman
1995	George L. Spaeth
1996	George L. Spaeth
1997	George L. Spaeth
1998	George L. Spaeth
1999	George L. Spaeth
2000	George L. Spaeth
2001	George L. Spaeth
2002	No representative
2003	Bruce E. Spivey
2004	Bruce E. Spivey
2005	No representative
2006	Bruce E. Spivey
2007	Bruce E. Spivey
2008	Bruce E. Spivey
2009	Bruce E. Spivey
2010	Marilyn T. Miller
2011	Marilyn T. Miller
2012	Marilyn T. Miller
2013	Marilyn T. Miller

JOINT COMMISSION ON ALLIED HEALTH PERSONNEL IN OPHTHALMOLOGY (JCAHPO) REPRESENTATIVE

As a member organization of the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO), the Society currently appoints representatives to serve as Commissioners whose duties are to prepare a yearly report for the Society outlining the activities of JCAHPO that are likely to be of interest to the Society's membership. Commissioners are designated as representatives of the Society to JCAHPO (Table 30). Commissioners serve three-year terms and are expected to have expertise in education, certification, management, or public relations.

Table 30. JCAHPO Representatives (1990–2013)

Year	Representatives
1990	Arthur H. Keeney, Robert L. Stamper, Paul C. Wetzig
1991	Arthur H. Keeney, Robert L. Stamper, Paul C. Wetzig
1992	Arthur H. Keeney, William M. Boume, Thomas D. France
1993	Arthur H. Keeney, Thomas D. France, Richard L. Lindstrom
1994	Arthur H. Keeney, Thomas D. France, Richard L. Lindstrom
1995	Arthur H. Keeney, Thomas D. France, Donald J. Doughman
1996	Donald J. Doughman, Thomas D. France, Arthur H. Keeney
1997	Arthur H. Keeney, Donald J. Doughman, Thomas D. France
1998	Donald J. Doughman, Robert L. Stamper, Thomas D. France
1999	Donald J. Doughman, Robert L. Stamper
2000	Donald J. Doughman, Robert L. Stamper
2001	Donald J. Doughman, Robert L. Stamper
2002	Donald J. Doughman, Robert L. Stamper
2003	Donald J. Doughman, Robert L. Stamper
2004	Donald J. Doughman, Robert L. Stamper
2005	Robert L. Stamper
2006	Robert L. Stamper, M. Edward Wilson (alt.)
2007	Robert L. Stamper, M. Edward Wilson (alt.)
2008	M. Edward Wilson
2009	M. Edward Wilson

2010	David K. Wallace
2011	David K. Wallace
2012	David K. Wallace
2013	William F. Mieler

NATIONAL ASSOCIATION FOR BIOMEDICAL RESEARCH (NABR) REPRESENTATIVE

The Society was a member of and paid dues to the National Association for Bio-medical Research (NABR) for many years. NABR tracked the activities of animal rights activists and legislation associated with the use of animals in research. The Council eventually discontinued the Society’s association with NABR due to budget constraints. See Table 31 for a list of previous NABR representatives.

Table 31. NABR Representatives (1990–2003)

Year	Representative
1990	No representative
1991	Harry A. Quigley
1992	Harry A. Quigley
1993	No representative
1994	Robert Yee
1995	Robert Yee
1996	Robert Yee
1997	Robert Yee
1998	Robert Yee
1999	Robert Yee
2000	Edward A. Jaeger
2001	Edward A. Jaeger
2002	Edward A. Jaeger
2003	Edward A. Jaeger

**AMERICAN ACADEMY OF OPHTHALMOLOGY (AAO)
MUSEUM COMMITTEE REPRESENTATIVE**

Until 2001, the Society appointed a representative to the Museum of Vision (Table 32). The Museum was first organized in 1980 and officially named in 2000. The Museum is housed in the Academy’s headquarters in San Francisco. It stores and displays many ophthalmic items, including spectacles and other visual aids, books, instruments, stamps, coins, eye cups, pharmaceuticals, and other memorabilia. Many past curators of the Museum have been AOS members, including Drs. Daniel M. Albert, Melvin G. Alper, Frederick C. Blodi, Robert P. Burns, David G. Cogan, Irving H. Leopold, Melvin L. Rubin, and William H. Spencer. Former AOS president and Howe Medalist Dr. Stanley M. Truhlsen established an endowment in 2004 that funds the Museum of Vision.¹⁷

Table 32. AAO Museum Committee Representatives (1990–2001)

Year	Representative
1990	Melvin G. Alper
1991	Andrew P. Ferry
1992	Andrew P. Ferry
1993	Andrew P. Ferry
1994	Andrew P. Ferry
1995	Andrew P. Ferry
1996	Andrew P. Ferry
1997	Andrew P. Ferry
1998	Andrew P. Ferry
1999	George Bartley
2000	George Bartley
2001	John Bullock

17 Museum of Vision: History of the AAO and museum (n.d.). Retrieved on April 16, 2013, from <http://www.museumofvision.org/about/history/?key=15>

Theses

Upon the recommendation of peers and following an evaluation of accomplishments, candidates for membership are invited to write a thesis as a requirement for membership. The thesis must be an original contribution toward the advancement of the science and art of ophthalmology. Historically, theses were not presented at the Annual Meeting, but recently this policy has changed. Theses may now be presented if the author submits an abstract and it is chosen by the committee on programs for presentation. See Table 33 for a list of theses published by AOS members since 1990.

Table 33. Theses Published by AOS Members (1990–2011)

1990 (9 total)

Ocular Findings in a Form of Retinitis Pigmentosa With a Rhodopsin Gene Defect. Eliot L. Berson, MD

Ophthalmologic Complications of Meningomyelocele: A Longitudinal Study. Albert W. Biglan, MD

Oxygen Free Radicals and Corneal Endothelium. David S. Hull, MD

Parasympathetic Denervation of the Ciliary Muscle Following Retinal Photocoagulation. Paul L. Kaufman, MD

Advances in Corneal Preservation. Richard L. Lindstrom, MD

Ocular Hydrofluoric Acid Burns: Animal Model, Mechanism of Injury, and Therapy. James P. McCulley, MD

Orally Administered Antifungal Therapy for Experimental Keratomycosis. Denis M. O'Day, MD

Herpes Simplex Virus Ocular Infections: Current Concepts of Acute, Latent, and Reactivated Disease. Deborah Pavan-Langston, MD

Role of Oxygen Free Radicals in Retinal Damage Associated With Experimental Uveitis. Narsing Adupa Rao, MD

1991 (7 total)

Advanced Coats' Disease. Barrett G. Haik, MD

Correction of Late Enophthalmos Following Midfacial Trauma. Nicholas T. Iliff, MD

The Pars Plana Incision: Experimental Studies, Pathologic Observations, and Clinical Experience. Allan E. Kreiger, MD

Thalidomide Embryopathy. Marilyn T. Miller, MD

Optic Nerve Sheath Decompression. Robert C. Sergott, MD

The Limbal Palisades of Vogt. William M. Townsend, MD

Diurnal Variations in Intraocular Pressure. Jacob T. Wilensky, MD

1992 (5 total)

Linkage Analysis of Norrie Disease With X-Chromosomal Ornithine Aminotransferase. J. Bronwyn Bateman, MD

The Ocular Manifestations of Sickle-Cell Disease: A Prevalence and Natural History Study. John G. Clarkson, MD

Experimental Postoperative Endophthalmitis. Richard K. Forster, MD

Retinopathy in a Population-Based Study. Ronald Klein, MD

Laser Photocoagulation for Corneal Stromal Vascularization. Verinder S. Nirankari, MD

1993 (6 total)

Age as a Factor in the Bacteriology and Response to Treatment of Subperiosteal Abscess of the Orbit. Gerald J. Harris, MD

Lens Opacities in Women in Beaver Dam, Wisconsin: Is There Evidence of an Effect of Sex Hormones? Barbara E. K. Klein, MD

Experimental and Clinical Observations on Massive Suprachoroidal Hemorrhage. Vinod Lakhanpal, MD, FACS

Antimicrobial Pharmacokinetics in Endophthalmitis Treatment: Studies of Ceftazidime. Travis A. Meredith, MD

Photopic On- and Off-Pathway Abnormalities in Retinal Dystrophies. Paul A. Sieving, MD, PhD

Factors Affecting the Efficacy of Antibiotics in the Treatment of Experimental Postoperative Endophthalmitis. George A. Stern, MD

1994 (7 total)

The Epidemiologic Characteristics and Clinical Course of Ophthalmopathy Associated With Autoimmune Thyroid Disease in Olmsted County, Minnesota. George B. Bartley, MD

Clinical Evaluation of the Optic Nerve in Glaucoma. Joseph Caprioli, MD

Video Vision Development Assessment (VVA): Combining the Bruckner Test With Eccentric Photorefractive for Dynamic Identification of Amblyogenic Factors in Infants and Young Children. Gerhard W. Cibis, MD

Giant Papillary Conjunctivitis. Peter C. Donshik, MD

The Natural History of the First Clinically Visible Features of Diabetic Retinopathy. Stephen S. Feman, MD

A Twin Study on Age-Related Macular Degeneration. Sanford M. Meyers, MD

Exfoliation Syndrome and Occludable Angles. Robert Ritch, MD

1995 (total 8)

Neurofibromatosis Type I in Children. George R. Beauchamp, MD

Familial Exudative Vitreoretinopathy. William E. Benson, MD

Vision Development in the Monocular Individual. Susan H. Day, MD

Histamine Z0-1 and Blood Retinal Barrier in Diabetic Retinopathy. Thomas W. Gardner, MD

Ocular Manifestations of HIV Infection. Douglas A. Jabs, MD

The Dyschromatopsia of Optic Neuritis. Barrett Katz, MD

Tear Turnover and Corneal Epithelial Permeability. J. Daniel Nelson, MD

Progression of Myopia. Robert H. Kennedy, MD

1996 (12 total)

Thrombolytic Therapy for Retinal Vein Occlusion Results of a Pilot Study. Michael J. Elman, MD

Early Photocoagulation in Patients With Type I or Type II Diabetes. Frederick Ferris, MD

Surveillance and Control of Institutional Epidemic Keratoconjunctivitis. John D. Gottsch, MD

Transvitreal Endocyclophotocoagulation. Julia A. Haller, MD

Epithelial Transplantation for the Management of Severe Ocular Surface Disease. Edward J. Holland, MD

Histological Changes and Wound Healing Response Following Noncontact Holmium Laser Thermal Keratoplasty. Douglas Koch, MD

The Concentration of Light in the Human Lens. John C. Merriam, MD

Visual Impairment, Visual Functioning, and Quality of Life Assessments in Patients With Glaucoma. Richard K. Parrish, II, MD

Experimental Nonenzymatic Glycosylation of Vitreous Collagens Occurs by Two Pathways. Jose S. Pulido, MD

The Neurofibrovascular Bundle of the Inferior Oblique Muscle as Its Ancillary Origin. David Stager, MD

Vision in Albinism C. Gail Summers, MD

The Efficacy of a Single Continuous Nylon Suture for Control of Post Keratoplasty Astigmatism. Woodford Van Meter, MD

1997 (7 Total)

Persistent Hyperplastic Primary Vitreous Diagnosis, Treatment, and Results. Zane E. Pollard, MD

Pneumatic Retinopexy, the Evolution of Case Selection, and Surgical Technique. Paul E. Tomambe, MD

Wilbrand's Knee of the Primate Optic Chiasm Is an Artefact of Monocular Enucleation. Jonathan C. Horton, MD, PhD

Concurrent Versus Sequential Application of Ferromagnetic Hyperthermia and ¹²⁵I Brachytherapy of Melanoma in an Animal Model. William Mieler, MD

Wound Healing Anomalies After Excimer Laser Photorefractive Keratectomy: Correlation of Clinical Outcomes, Corneal Topography, and Confocal Microscopy. Roger F. Steinert, MD

The Hong Kong Vision Study: A Pilot Study of Visual Impairment in Adults. Mylan R. Vannewkirk, MD, PhD

The Soft Keratoprosthesis. Delmar R. Caldwell, MD

1998 (9 Total)

Cataract Extraction and Lens Implantation With and Without Trabeculectomy: An Inpatient Comparison. James C. Bobrow, MD

The Incidence, Pathogenesis, and Treatment of Cystoid Macular Edema Following Cataract Surgery. Allan J. Flach, MD (By Invitation)

"Oxidative Protector" Enzymes in the Macular Retinal Pigment Epithelium of Aging Eyes and Eyes With Age-Related Macular Degeneration. Robert N. Frank, MD

A Randomized, Controlled Trial of Varying Radiation Doses in the Treatment of Choroidal Melanoma. Evangelos S. Gragoudas, MD

Tumor Vascularity and Hematogenous Metastasis in Experimental Murine Intraocular Melanoma. Hans E. Grossniklaus, MD

Correlation of Quality of Life With Clinical Symptoms and Signs at the Time of Glaucoma Diagnosis. Richard P. Mills, MD (By Invitation)

The Ocular Manifestations of Congenital Infection: A Study of the Early Effect and Long-Term Outcome of Maternally Transmitted Rubella and Toxoplasmosis. John F. O'Neill, MD

Acquired Mitochondrial Impairment as a Cause of Optic Nerve Disease. Alfredo Sadun, MD
North Carolina Macular Dystrophy: Clinical Features, Genealogy, and Genetic Linkage Analysis. Kent W. Small, MD (By Invitation)

1999 (11 Total)

Vision and Quality of Life. Gary C. Brown, MD, MBA

Collagen Type I and III Synthesis by Tenon's Capsule Fibroblasts in Culture: Individual Patient Characteristics and Response to Mitomycin C, 5-Fluorouracil, and Ascorbic Acid. Ronald L. Gross, MD

A 12-Year Ophthalmologic Experience With the Shaken Baby Syndrome at a Regional Children's Hospital. Jane D. Kivlin, MD

Scar Remodeling After Strabismus Surgery. Irene Ludwig, MD

Childhood Blindness and Visual Loss: An Assessment at Two Institutions Including a "New" Cause. Marilyn Baird Mets, MD

Ocular Torticollis. Paul R. Mitchell, MD

Expanding Tissue Scope of Lamellar Keratoplasty. L. F. Ritch, MS, MD

Studies of Intrastromal Corneal Ring Segments for the Correction of Low to Moderate Myopic Refractive Errors. David J. Schanzlin, MD

Cultured Corneal Epithelia for Ocular Surface Disease. Ivan R. Schwab, MD, FACS

The Association Between Anisometropia, Amblyopia, and Binocularity in the Absence of Strabismus. David R. Weakley, MD

Brown's Syndrome: Diagnosis and Management. Kenneth W. Wright, MD

2000 (10 Total)

Influence of Intraocular Lens Material and Design on Postoperative Intracapsular Cellular Reactivity. David J. Apple, MD

Valacyclovir for the Prevention of Recurrent Herpes Simplex Virus Eye Disease After Excimer Laser Photokeratectomy. Penny A. Asbell, MD

Ocular Oxygen Consumption During Vitreoperfusion in the Cat. Norman P. Blair, MD

Acquired Color Vision Loss and a Possible Mechanism of Ganglion Cell Death in Glaucoma. T. Michael Nork, MD, MS

Photochemical Injury to the Foveomacula of the Monkey Eye Following Argon Blue-Green Pan-retinal Photocoagulation. L. M. Parver, MD

Eduard Jaeger's Test-Types (Schrift-Scalen) and the Historical Development of Vision Tests. Paul E. Runge, MD

The Measurement of Patient-Reported Outcomes of Refractive Surgery: The Refractive Status and Vision Profile. Oliver D. Schein, MD, MPH

Conjunctival Melanoma: Risk Factors for Recurrence, Exenteration, Metastasis, and Death in 150 Consecutive Patients. Carol L. Shields, MD

Hyperhomocysteinemia: A New Risk Factor for Central Retinal Vein Occlusion. Andrew K. Vine, MD

The Treatment of Herpes Simplex Virus Epithelial Keratitis. Kirk R. Wilhelmus, MD, MPH

2001 (5 Total)

The Effect of Trabeculectomy on Ocular Hemodynamics. Louis B. Cantor, MD

Development of a Quantitative Method to Measure Vision in Children With Chronic Cortical Visual Impairment. William V. Good, MD

Intraocular Retinal Prosthesis. Mark S. Humayun, MD, PhD

Glaucoma Patients' Assessment of Their Visual Function and Quality of Life. Henry D. Jampel, MD, MHS

Enhancement of Scleral Macromolecular Permeability With Prostaglandins. Robert N. Weinreb, MD

2002 (7 Total)

The Use of Antimicrobial Peptides in Ophthalmology: An Experimental Study in Corneal Preservation and the Management of Bacterial Keratitis. Mark J. Mannis, MD, FACS

Human Retinal Pigment Epithelial Lysis of Extracellular Matrix: Functional Urokinase Plasminogen Activator Receptor, Collagenase, and Elastase. Susan G. Elner, MD

Retinal Pigment Epithelial Acid Lipase Activity and Lipoprotein Receptors: Effects of Dietary Omega-3 Fatty Acids. Victor M. Elner, MD, PhD

Diabetes-Induced Dysfunction of Retinal Müller Cells. Donald G. Puro, MD, PhD

2-Deoxy-D-Glucose Uptake in the Inner Retina: An In Vivo Study in the Normal Rat and Following Photoreceptor Degeneration. David J. Wilson, MD

Progression of Visual Field Loss in Untreated Glaucoma Patients and Suspects in St. Lucia, West Indies. M. Roy Wilson, MD, MS

Analysis of the Keratocyte Apoptosis, Keratocyte Proliferation, and Myofibroblast Transformation Responses After Photorefractive Keratectomy and Laser in Situ Keratomileusis. Steven E. Wilson, MD

2003 (10 Total)

Medical Malpractice Predictors and Risk Factors for Ophthalmologists Performing Lasik and PRK Surgery. Richard L. Abbott, MD

Molecular Pathology of Primary Intraocular Lymphoma. Chi-Chao Chan, MD

Corneal Wound Healing After Photorefractive Keratectomy: A 3-Year Confocal Microscopy Study. Jay C. Erie, MD

The Risk of a New Retinal Break or Detachment Following Cataract Surgery in Eyes That Had Undergone Repair of Phakic Break or Detachment: A Hypothesis of a Causal Relationship to Cataract Surgery. M. Gilbert Grand, MD

Excimer Laser Phototherapeutic Keratectomy in Eyes With Anterior Corneal Dystrophies: Pre-operative and Postoperative Ultrasound Biomicroscopic Examination and Short-Term Clinical Outcomes With and Without an Antihyperopia Treatment. Christopher J. Rapuano, MD

Functional Magnetic Resonance Imaging (fMRI) and Effects of L-Dopa on Visual Function in Normal and Amblyopic Subjects. Gary L. Rogers, MD

Light-Adjustable Lens. Daniel M. Schwartz, MD

Finding and Interpreting Genetic Variations That Are Important to Ophthalmologists. Edwin M. Stone, MD, PhD

The Role of Patient Age and Intraocular Gases in Cataract Progression Following Vitrectomy for Macular Holes and Epiretinal Membranes. John T. Thompson, MD

Analysis of Retinal Pigment Epithelium Integrin Expression and Adhesion to Aged Submacular Human Bruch's Membrane. Marco A. Zarbin, MD, PhD

2004 (7 Total)

Computerized Expert System for Evaluation of Automated Visual Fields From the Ischemic Optic Neuropathy Decompression Trial: Methods, Baseline Fields, and Six-Month Longitudinal Follow-Up. Steven E. Feldon, MD, MBA

Intravitreal Human Immune Globulin in a Rabbit Model of Staphylococcus Aureus Toxin-Mediated Endophthalmitis: A Potential Adjunct in the Treatment of Endophthalmitis. Dennis P. Han, MD

The Accuracy of Digital-Video Retinal Imaging to Screen for Diabetic Retinopathy: An Analysis of Two Digital-Video Retinal Imaging Systems Using Standard Stereoscopic Seven-Field Photography and Dilated Clinical Examination as Reference Standards. Mary Gilbert Lawrence, MD, MPH

Photorefractive Keratectomy for Anisometropic Amblyopia in Children. Evelyn A. Paysse, MD

Congenital Abnormalities of Cranial Nerve Development: Overview, Molecular Mechanisms, and Further Evidence of Heterogeneity and Complexity of Syndromes With Congenital Limitation of Eye Movements. Elias I. Traboulsi, MD

Anterior Lens Capsule Management in Pediatric Cataract Surgery. M. Edward Wilson Jr., MD
Dissecting the Genetics of Human High Myopia: A Molecular Biologic Approach. Terri L. Young, MD

2005 (14 Total)

The Ethical Education of Ophthalmology Residents: An Experiment. Samuel Packer, MD

Unsupervised Learning With Independent Component Analysis Can Identify Patterns of Glaucomatous Visual Field Defects. Michael H. Goldbaum, MD, MS

Retinopathy of Prematurity: Involution, Factors Predisposing to Retinal Detachment, and Expected Utility of Pre-Emptive Surgical Reintervention. David K. Coats, MD

The Relationship Between Anisometropia, Patient Age, and the Development of Amblyopia. Sean P. Donahue, MD, PhD

Clinical and Microdissection Genotyping Analyses of the Effect of Intra-Arterial Cytreoreductive Chemotherapy in the Treatment of Lacrimal Gland Adenoid Cystic Carcinoma. David T. Tse, MD

Quality of Life in Patients With Graves Ophthalmopathy. R. Patrick Yeatts, MD

Optics of Conductive Keratoplasty: Implications for Presbyopia Management. Peter S. Hersh, MD

Structural Organization of Choroidal Colobomas of Young and Adult Patients and Mechanism of Retinal Detachment. Hermann D. Schubert, MD

Molecular Biology of Pharmacologic Vitreolysis. Jerry Sebag, MD, FRCOphth

Ocular Manifestations of Von Hippel-Lindau Disease: Clinical and Genetic Investigations. Emily Y. Chew, MD

Conductive Keratoplasty: A Radiofrequency-Based Technique for the Correction of Hyperopia. Marguerite B. McDonald, MD

Perifoveal Vitreous Detachment and Its Macular Complications. Mark W. Johnson, MD

A Comparison of Implant Extrusion Rates and Postoperative Pain After Evisceration With Immediate or Delayed Implants and After Enucleation With Implants. Don Liu, MD, FACS

Ischemic Model of Optic Nerve Injury. George A. Cioffi, MD

2006 (13 Total)

Corneal Angiogenic Privilege: Angiogenic and Antiangiogenic Factors in Corneal Avascularity, Vasculogenesis, and Wound Healing. Dimitri T. Azar, MD

The Influence of Refractive Error Management on the Natural History and Treatment Outcome of Accommodative Esotropia. Bradley Charles Black, MD

Methicillin-Resistant Staphylococcus Aureus Infections of the Eye and Orbit. Preston Howard Blomquist, MD

Human Adenovirus Type 37 and the Balb/C Mouse: Progress Toward a Restricted Adenovirus Keratitis Model. James Chodosh, MD

The Effect of Different Monovision Contact Lens Powers on the Visual Function of Emmetropic Presbyopic Patients. Daniel S. Durrie, MD

Orbscan II-Assisted Intraocular Lens Power Calculation for Cataract Surgery Following Myopic Laser in Situ Keratomileusis. Henry Gelender, MD

The Use of the Scanning Laser Ophthalmoscope in the Evaluation of Amblyopia. David A. Johnson, MD, PhD

Optical Principles, Biomechanics, and Initial Clinical Performance of a Dual-Optic Accommodating Intraocular Lens. Stephen D. McLeod, MD

Integrins in the Optic Nerve Head: Potential Roles in Glaucomatous Optic Neuropathy. John C. Morrison, MD

A Sequential, Multiple-Treatment, Targeted Approach to Reduce Wound Healing and Failure of Glaucoma Filtration Surgery in a Rabbit Model. Mark Brian Sherwood, FRCS, FRCP, FRCOphth

Long-Term Visual Outcomes in Extremely Low-Birth-Weight Children. Rand Spencer, MD

Effect of Rapamycin on the Fate of P23H Opsin Associated With Retinitis Pigmentosa. Shalesh Kaushal, MD, PhD

Gene Transfer for the Treatment of Neovascular Ocular Disease. John Timothy Stout, MD, PhD, MBA

2007 (18 Total)

Monocular Diplopia Due to Sphero-Cylindrical Refractive Errors. Steven M. Archer, MD

Dissociated Horizontal Deviation: Clinical Spectrum, Pathogenesis, Evolutionary Underpinnings, Diagnosis, Treatment, and Potential Role in the Development of Infantile Esotropia. Michael C. Brodsky, MD

Hanging by a Thread – The Long-Term Efficacy and Safety of Trans-Scleral Sutured Intraocular Lenses in Children. Edward G. Buckley, MD

Sources of Binocular Suprathreshold Visual Field Loss in a Cohort of Older Women Being Followed for Risk of Falls. Anne Louise Coleman, MD, PhD

Comparison of Topical Interleukin-1 (IL-1) Versus Tumor Necrosis Factor-Alpha (TNF- α) Blockade With Corticosteroid Therapy on Murine Corneal Inflammation, Neovascularization, and Transplant Survival. Reza Dana, MD, MPD, MSC

A Reconsideration of Anterior Chamber Flare and Its Clinical Relevance for Children With Chronic Anterior Uveitis. Gary N. Holland, MD

Suppression of Keratoepithelin and Myocilin by Small Interfering RNA. Andrew J. W. Huang, MD, MPH

Mechanisms of Retinal Ganglion Specific-Cell Death in Leber Hereditary Optic Neuropathy. Leonard Levin, MD, PhD

A Prospective Study of Cavernous Sinus Surgery for Meningiomas and Resultant Common Ophthalmic Complications. Steven Newman, MD

Impact of a Pay-for-Performance Intervention: Financial Analysis of a Pilot Program Implementation and Implications for Ophthalmology. David W. Parke II, MD

Malpractice and the Quality of Care in Retinopathy of Prematurity. James D. Reynolds, MD

The Graded Levator Hinge Procedure for the Correction of Upper Eyelid Retraction. Daniel P. Schaefer, MD

Preventing Surgical Confusions in Ophthalmology. John W. Simon, MD

Endothelial Keratoplasty: Clinical Outcomes in the Two Years Following Deep Lamellar Endothelial Keratoplasty. Mark A. Terry, MD

Causing and Curing Infantile Esotropia in Primates: The Role of De-Correlated Binocular Input. Lawrence Tychsen, MD

Computer-Assisted Quantification of Vascular Tortuosity in Retinopathy of Prematurity. David K. Wallace, MD, MPH

Visual Morbidity in Thirty-Four Families With Schnyder Crystalline Corneal Dystrophy. Jayne S. Weiss, MD

The Incidence of Symptomatic Acquired Lacrimal Outflow Obstruction Among Residents of Olmsted County, Minnesota, 1976–2000. John J. Woog, MD

2008 (12 Total)

Genotypic Identification of Fusarium Species From Ocular Sources: Comparison to Morphologic Classification and Antifungal Sensitivity Testing. Eduardo C. Alfonso, MD

Pilot Project: Assessment of Visual Status of the Aeta, a Hunter-Gatherer Population of the Philippines. R. Rand Allingham, MD

Symmetry Between the Right and Left Eyes of the Normal Retinal Nerve Fiber Layer Measured With Optical Coherence Tomography. Donald L. Budenz, MD, MPH

Intravitreal Bevacizumab in the Treatment of Macular Edema From Branch Retinal Vein Occlusion and Hemisphere Retinal Vein Occlusion. Gary Edd Fish, MD

Liquid Nitrogen Cryotherapy for Surface Eye Disease. Frederick Web Fraunfelder, MD

Long-Term Visual Acuity Results of Treated and Untreated Radiation Retinopathy. James L. Kinyoun, MD

The Role of Omega-3 Dietary Supplementation in Blepharitis and Meibomian Gland Dysfunction. Marian S. Macsai, MD

Higher Irradiance and Photodynamic Therapy for Age-Related Macular Degeneration. Joan W. Miller, MD

The Minnesota Grading System Using Fundus Autofluorescence of Eye Bank Eyes: A Correlation to Age-Related Macular Degeneration. Timothy W. Olsen, MD

The Visual Difficulties of Selected Artists and Limitations of Ophthalmological Care During the 19th and Early 20th Centuries. James G. Ravin, MD, MS

Spectral Domain Optical Coherence Tomography for Glaucoma. Joel S. Schuman, MD, FACS

Safety of Intravitreally Administered Recombinant Erythropoietin. James C. Tsai, MD

2009 (6 Total)

Spectral-Domain Optical Coherence Tomography in Glaucoma. Teresa C. Chen, MD

Keratoconus, Normal Tension Glaucoma, and Corneal Hysteresis. Elisabeth J. Cohen, MD

Refractive Outcomes of Three-Port Lens-Sparing Vitrectomy for Retinopathy of Prematurity. Eric R. Holz, MD

Visual Acuity Assessment With Snellen and ETDRS Charts. Peter K. Kaiser, MD

The Ahmed Glaucoma Valve in Neovascular Glaucoma. Peter A. Netland, MD, PhD

Gene Transcription Profile of the Detached Retina. David N. Zacks, MD, PhD

2010 (5 Total)

Histopathologic Analysis of Palpebral Conjunctiva in Thyroid-Related Orbitopathy. Don O. Kikkawa, MD

Interpreting Thickness Changes in the Diabetic Macula: The Problem of Short-Term Variation in Optical Coherence Tomography-Measured Macular Thickening. David J. Browning, MD, PhD

A Handheld Open-Field Infant Keratometer. Joseph M. Miller, MD, MPH

Studies on the Pathogenesis of Avascular Retina and Neovascularization Into the Vitreous in Peripheral Severe Retinopathy of Prematurity. Mary Elizabeth Hartnett, MD

The Artificial Silicon Retina in Retinitis Pigmentosa Patients. Alan Y. Chow, MD; Ava K. Bittner, OD; Machele T. Pardue, PhD

2011 (8 Total)

The Impact of the Economy and Recessions on the Marketplace Demand for Ophthalmologists. Ron A. Adelman, MD, MPH, MBS; Chukwuemeka C. Nwanze, MD, MBA

Anterior Segment Alterations and Comparative Aqueous Humor Proteomics in the Buphthalmic Rabbit. Deepak P. Edward, MD; Rachida Bouhenni, PhD

The Influence of Genetics on Response to Treatment With Ranibizumab (Lucentis) for Age-Related Macular Degeneration: The Lucentis Genotype Study. Peter James Francis, MD, PhD

Cosmetic Outcome of Posterior Approach Ptosis Surgery. Robert A. Goldberg, MD; Helen Lew, MD

The Role of Thyroid Eye Disease and Other Factors in the Overcorrection of Hypotropia Following Unilateral Adjustable Suture Recession of the Inferior Rectus. Natalie C. Kerr, MD

Wavefront-Guided Laser in Situ Keratomileusis (Lasik) Versus Wavefront-Guided Photorefractive Keratectomy (PRK). Edward E. Manche, MD; Weldon W. Haw, MD

Comparison of Through-Focus Image Quality Across Five Presbyopia-Correcting Intraocular Lenses. Jay S. Pepose, MD, PhD; Daozhi Wang, PhD; Griffith E. Altmann, MS, MBA

The Decompensated Monofixation Syndrome. R. Michael Siatkowski, MD

Appendix:

Members 1864–2012

MEMBERS OF THE AMERICAN OPHTHALMOLOGICAL SOCIETY (AOS), 1864 THROUGH 2012

Active

Abbott, Richard (2003)	Brodsky, Michael (2007)
Adelman, Ron Afshari (2011)	Brown, Gary (1999)
Alfonso, Eduardo (2008)	Browning, David (2010)
Allingham, R. Rand (2008)	Buckley, Edward (2007)
Alvarado, Jorge (1989)	Budenz, Donald (2008)
Archer, Steven (2007)	Cantor, Louis (2001)
Asbell, Penny (1999)	Caprioli, Joseph (1994)
Augsburger, James (1988)	Chan, Chi-Chao (2003)
Azar, Dmitri (2006)	Char, Devron (1988)
Bartley, George (1994)	Chen, Teresa C. (2009)
Bateman, J. Bronwyn (1992)	Chew, Emily Y. (2005)
Baudouin, Christophe (2012)	Chodosh, James (2006)
Beauchamp, George (1995)	Chow, Alan (2010)
Berson, Eliot (1990)	Cibis, Gerhard (1994)
Black, Bradley (2006)	Cioffi, George (Jack) (2005)
Blair, Norman (2000)	Clarkson, John (1992)
Blomquist, Preston (2006)	Coats, David (2005)
Bobrow, James (1998)	Cohen, Elisabeth J. (2009)

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|----------------------------------|-----------------------------|
| Coleman, Anne (2007) | Gottsch, John (1996) |
| Crawford, J. Brooks (1980) | Gragoudas, Evangelos (1998) |
| Dana, Reza (2007) | Grand, M. Gilbert (2003) |
| Davis, Janet L. (2012) | Gross, Ronald (1999) |
| Day, Susan H. (1995) | Grossniklaus, Hans (1998) |
| Donahue, Sean (2005) | Guyton, David (1986) |
| Donshik, Peter (1994) | Haik, Barrett (1991) |
| Doughman, Donald (1980) | Haller, Julia (1996) |
| Durrie, Daniel (2006) | Han, Dennis (2004) |
| Eagle, Jr., Ralph (1988) | Harris, Gerald (1993) |
| Edward, Deepak Paul (2011) | Hartnett, Mary (2010) |
| Elman, Michael (1996) | Hersh, Peter (2005) |
| Elnor, Susan (2002) | Holland, Edward (1996) |
| Elnor, Victor (2002) | Holland, Gary (2007) |
| Erie, Jay (2003) | Holz, Eric R. (2009) |
| Ernest, J. Terry (1975) | Horton, Jonathan (1997) |
| Esmaeli, Bitá (2012) | Huang, Andrew (2007) |
| Feldon, Steven (2004) | Humayun, Mark (2001) |
| Feman, Stephen (1994) | Iliff, Nicholas (1991) |
| Ferris, Frederick (1996) | Iliff, W. Jackson (1985) |
| Fish, Gary (2008) | Ing, Malcolm (1981) |
| Flach, Allan (1998) | Jabs, Douglas (1995) |
| Francis, Peter (2011) | Jampel, Henry (2001) |
| Frank, Robert (1998) | Johnson, David (2006) |
| Fraunfelder, Frederick W. (2008) | Johnson, Mark (2005) |
| Friedman, Alan (1984) | Kaiser, Peter K. (2009) |
| Gardner, Thomas (1995) | Kaufman, Paul (1990) |
| Gelender, Henry (2006) | Kaushal, Shalesh (2006) |
| Goldbaum, Michael (2005) | Kelley, James (1983) |
| Goldberg, Robert (2011) | Kerr, Natalie (2011) |
| Good, William (2001) | Kikkawa, Don (2010) |

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|----------------------------------|-----------------------------|
| Kim, Judy (2012) | Miller, Joan (2008) |
| Kinoshita, Shigeru (2012) | Miller, Joseph (2010) |
| Kinyoun, James (2008) | Miller, Marilyn (1991) |
| Klein, Barbara (1993) | Mills, Richard (1998) |
| Klein, Ronald (1992) | Mindel, Joel (1986) |
| Koch, Douglas (1996) | Mitchell, Paul (1998) |
| Krueger, Ronald (2012) | Morrison, John (2006) |
| Lakhanpal, Vinod (1993) | Nelson, J. Daniel (1995) |
| Lawrence, Mary (2004) | Netland, Peter A. (2009) |
| Lemp, Michael (1989) | Newman, Steven (2007) |
| L'Esperance, Jr., Francis (1968) | Nirankari, Verinder (1992) |
| Levin, Leonard (2007) | Nork, T. Michael (2000) |
| Lewis, Richard Alan (1989) | Olsen, Timothy (2008) |
| Lichter, Paul (1976) | O'Neill, John (1998) |
| Liesegang, Thomas (1988) | Packer, Samuel (2005) |
| Lindstrom, Richard (1990) | Parke II, David (2007) |
| Liu, Donald (2005) | Parrish II, Richard (1996) |
| Ludwig, Irene (1999) | Parver, Leonard (2000) |
| Lueder, Gregg (2012) | Paysse, Evelyn (2004) |
| Macasai, Marion (2008) | Pepose, Jay (2011) |
| Manche, Edward (2011) | Pulido, Jose (1996) |
| Mannis, Mark (2000) | Puro, Donald (2002) |
| Mazow, Malcolm (1987) | Raab, Edward (1982) |
| McCulley, James (1990) | Rao, Narsing (1990) |
| McDonald, Marguerite (2005) | Rapuano, Christopher (2003) |
| McLeod, Stephen (2006) | Ravin, James (2008) |
| Meredith, Travis (1993) | Reynolds, James (2007) |
| Merriam, John (1996) | Ritch, Robert (1994) |
| Mets, Marilyn B. (1999) | Robin, Alan (1989) |
| Meyers, Sanford (1994) | Rogers, Gary (2003) |
| Mieler, William (1997) | Runge, Paul (2000) |

- Sadun, Alfredo (1998)
Schaefer, Daniel (2007)
Schanzlin, David (1999)
Schein, Oliver (2000)
Schubert, Hermann (2005)
Schuman, Joel (2008)
Schwab, Ivan (1999)
Schwartz, Daniel (2003)
Scott, Alan (1981)
Sebag, Jerry (2005)
Sergott, Robert (1991)
Sherwood, Mark (2006)
Shields, Carol (2000)
Shields, Jerry (1981)
Siatkowski, R. Michael (2011)
Sieving, Paul (1993)
Simon, John (2007)
Small, Kent (1998)
Sommer, Alfred (1983)
Spaeth, George (1975)
Spencer, Rand (2006)
Stager Sr., David (1996)
Stamper, Robert (1984)
Steinert, Roger (1997)
Stone, Edwin (2003)
Stout, Timothy (2006)
Sugar, Alan (1989)
Summers, C. Gail (1996)
Taylor, Hugh (1989)
Terry, Mark (2007)
Thompson, John (2003)
Tornambe, Paul (1997)
Townsend, William (1991)
Traboulsi, Elias (2004)
Tsai, James (2008)
Tse, David (2005)
Tyschen, R. Lawrence (2007)
Van Meter, Woodford (1996)
Van Newkirk, Mylan (1997)
Wallace, David K. (2007)
Walton, David (1979)
Waring, George (1989)
Weakley, Jr., David (1999)
Weinreb, Robert (2001)
Weiss, Jayne (2007)
Wilensky, Jacob (1991)
Wilhelmus, Kirk (2000)
Wilkinson, C. P. (1981)
Wilson, David (2002)
Wilson, M. Roy (2002)
Wilson, Steven (2002)
Wilson, Jr., M. Edward (2004)
Woog, John (2007)
Wright, Kenneth (1999)
Yannuzzi, Lawrence (1986)
Yeatts, R. Patrick (2005)
Yee, Robert (1989)
Young, Terri (2004)
Zacks, David N. (2009)
Zarbin, Marco (2003)

Emeritus

Aaberg, Thomas (1986)	Dellaporta, Angelos (1970)
Albert, Daniel M. (1979)	Drews, Robert (1979)
Anderson, Douglas (1981)	Duke, James (1963)
Anderson, Jr., W. Banks (1968)	Elliott, James (1980)
Annesley, Jr., William (1980)	Ellis, Phillip (1971)
Asbury, Taylor (1966)	Farris, R. Linsy (1985)
Baum, Jules (1982)	Federman, Jay (1982)
Becker, Bernard (1960)	Ferry, Andrew (1973)
Benedict, Walter (1962)	Flanagan, Joseph (1980)
Bennett, James (1968)	Flynn, John (1983)
Berler, David (1989)	Forbes, Max (1974)
Berrocal, Jose (1980)	Forster, Richard (1992)
Biglan, Albert (1990)	Foster, C. Stephen (1986)
Blankenship, George (1986)	France, Thomas (1984)
Bourne, William (1983)	Fraunfelder, Frederick (1976)
Brockhurst, Robert (1974)	Freeman, H. MacKenzie (1978)
Bronson, Nathaniel (1972)	Gaasterland, Douglas (1986)
Brubaker, Richard (1982)	Glew, William (1979)
Bullock, John (1983)	Godfrey, William (1987)
Burde, Ronald (1983)	Goldberg, Morton (1978)
Burton, Thomas (1982)	Grayson, Merrill (1974)
Carr, Ronald (1974)	Gutman, Froncie A. (1979)
Caldwell, Delmar (1997)	Hagler, William (1980)
Coleman, D. Jackson (1986)	Hamilton, Ralph (1966)
Cooper, William (1985)	Heckenlively, John (1987)
Curtin, Brian (1969)	Helveston, Eugene (1980)
Darrell, Richard (1981)	Hiatt, Roger (1973)
Davis, Matthew (1973)	Hull, David (1990)
Dayton, Glenn (1977)	Hyndiuk, Robert (1981)

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|-----------------------------------|------------------------------|
| Irvine, Alexander (1980) | Payne, John (1980) |
| Jaeger, Edward (1980) | Pico, Guillermo (1957) |
| Jakobiec, Frederick (1984) | Pollack, Irvin (1979) |
| Jampol, Lee M. (1987) | Pollard, Zane (1997) |
| Jampolsky, Arthur (1970) | Regan, Ellen (1957) |
| Jarrett, William (1981) | Rich, Larry (1999) |
| Jones, Dan (1980) | Richards, Richard (1966) |
| Jones, Ira (1959) | Robb, Richard (1974) |
| Kass, Michael (1989) | Robertson, Dennis (1978) |
| Kenyon, Kenneth (1985) | Rubin, Melvin (1975) |
| Knox, David (1973) | Schocket, Stanley (1986) |
| Kolker, Allan (1977) | Schultz, Richard (1971) |
| Kreiger, Allan (1991) | Sears, Marvin (1973) |
| Laibson, Peter (1976) | Shields, M. Bruce (1983) |
| Landers III, Maurice (1978) | Small, Robert (1988) |
| Laties, Alan (1974) | Smith, Ronald (1982) |
| Lawwill, Theodore (1982) | Snell, Albert (1955) |
| Little, Hunter (1976) | Spalter, Harold (1975) |
| Luxenberg, Malcolm (1979) | Spaulding, Abbot (1978) |
| Macdonald, Jr., Roderick (1971) | Spencer, William (1972) |
| Manchester, Jr., P. Thomas (1970) | Spivey, Bruce (1976) |
| Maumenee Hussels, Irene (1981) | Srinivasan, B. Dobli (1982) |
| McDonald, James (1968) | Stark, Walter (1980) |
| McMeel, J. Wallace (1971) | Straatsma, Bradley R. (1968) |
| Metz, Henry (1983) | Streeten, Barbara (1982) |
| Meyer, Roger (1986) | Tasman, William (1970) |
| Minckler, Donald (1986) | Taylor, Daniel (1972) |
| Miranda, Manuel (1979) | Thompson, H. Stanley (1977) |
| Okun, Edward (1972) | Troutman, Richard (1962) |
| O'Rourke, James (1974) | Truhlsen, Stanley M. (1965) |
| Owens, William (1953) | Tso, Mark (1987) |

Van Buskirk, E. Michael (1988)
 Véronneau-Troutman, Suzanne
 (1978)
 Vine, Andrew (2000)
 Von Noorden, Gunter (1969)
 Waller, Robert (1982)
 Waltman, Stephen (1984)
 Watzke, Robert (1968)
 Welch, Robert (1970)

Wilson II, Fred (1983)
 Wilson, R. Sloan (1983)
 Wolff, Stewart (1972)
 Wong, Vernon (1972)
 Wood, Thomas (1984)
 Yanoff, Myron (1975)
 Younge, Brian (1984)

Founders

Agnew, Cornelius (1864)
 Althof, Herman (1864)
 Bumstead, Freeman (1864)
 Carmalt, William (1864)
 Delafield, Edward (1864)
 Derby, Hasket (1864)
 Dix, John (1864)
 Dyer, Ezra (1864)
 Hinton, John (1864)
 Holcomb, William (1864)

Jeffries, Benjamin (1864)
 Noyes, Henry (1864)
 Robertson, Charles (1864)
 Roosa, D. B. St. John (1864)
 Sands, Henry (1864)
 Simrock, Francis (1864)
 Sprague, Francis (1864)
 Stimson, William (1864)
 Williams, Henry (1864)

Deceased

Abbott, Frank (1878)	Ashton, Norman (1989)
Acers, Thomas (1981)	Atkinson, Walter (1934)
Adams, Alpheus (1896)	Aub, Joseph (1870)
Adams, John (1902)	Ayres, S. C. (1881)
Adler, Francis (1930)	Bacon, William (1885)
Aebli, Rudolph (1950)	Bailey, Frederick (1913)
Aiken, Samuel (1950)	Bair, Hugo (1946)
Aiken, William (1894)	Baird, James (1949)
Alger, Ellice (1915)	Baldwin, Benjamin (1891)
Alleman, Lewis (1894)	Bane, William (1944)
Allen, Harlan (1891)	Barkan, Hans (1926)
Allen, Henry (1959)	Barkan, Otto (1957)
Allen, James (1943)	Bartlett, Edwin (1874)
Allen, Thomas (1932)	Beach, Sylvester (1923)
Allin, Charles (1865)	Beard, Charles (1907)
Alling, Arthur (1899)	Beard, Crowell (1966)
Allyn, G. W. (1896)	Beasley, Harold (1965)
Alper, Melvin (1975)	Bedell, Arthur (1911)
Alt, Adolf (1882)	Beetham, William (1935)
Alvaro, Moacyr (1953)	Bell, George (1908)
Alvis, Bennett (1949)	Bell, James (1905)
Anderson, William (1946)	Benedict, William (1921)
Andrew, James (1935)	Berens, Conrad (1923)
Andrews, Joseph (1883)	Berke, Raynold (1944)
Appleman, Leighton (1940)	Bethune, George (1864)
Apt, Leonard (1980)	Birge, Henry (1951)
Arentsen, Juan (1983)	Black, Nelson (1921)
Armaly, Mansour (1968)	Blair, William (1931)
Asbury, Mary (1943)	Blake, Eugene (1916)
Ascher, Karl (1959)	Blodi, Frederick C. (1958)

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|-------------------------|-------------------------------|
| Bordley, James (1909) | Calhoun, Jr., Phinizy (1949) |
| Borley, William (1949) | Calkins, Larry (1960) |
| Bradford, H. W. (1881) | Callan, Lewis (1909) |
| Braley, Alson (1947) | Callan, Peter (1876) |
| Breinin, Goodwin (1960) | Campbell, Charles (1968) |
| Briggs, H. H. (1918) | Campbell, Francis (1976) |
| Brown, Albert (1935) | Capron, Franklin (1885) |
| Brown, David (1974) | Carhart, W. M. (1904) |
| Brown, Edward (1908) | Carpenter, Jr., John (1898) |
| Brown, Harold (1957) | Carroll, Frank D. (1943) |
| Bruce, Gordon (1938) | Carvil, Maud (1929) |
| Bruere, Gustave (1902) | Cassady, J. Vernal (1960) |
| Bruner, Abram (1929) | Castroviejo, Ramon (1937) |
| Bruner, William (1907) | Chamberlain, Jr., Webb (1954) |
| Bruns, Henry (1901) | Chance, Burton (1904) |
| Buckman, Ernest (1910) | Chandler, Henry (1893) |
| Bull, Charles (1871) | Chandler, Paul (1936) |
| Buller, Frank (1878) | Charles, Joseph (1904) |
| Bulson, Albert (1925) | Cheatham, William (1893) |
| Burch, Edward (1950) | Cheney, Frederick (1893) |
| Burch, Frank (1935) | Christensen, Leonard (1958) |
| Burian, Hermann (1945) | Cibis, Paul (1965) |
| Burke, John (1920) | Claiborne, J. H. (1898) |
| Burnett, Swan (1885) | Clap, Edmund (1912) |
| Burnham, G. H. (1909) | Clapp, Clyde (1922) |
| Burns, Robert (1968) | Clark, Cecil (1934) |
| Burton, Edwin (1942) | Clark, C. F. (1891) |
| Butler, William (1906) | Clark, William (1947) |
| Byers, Gordon (1906) | Clay, Grady (1933) |
| Bymes, Victor (1959) | Cocks, D. C. (1887) |
| Calhoun, Phinizy (1918) | Coe, Anton (1898) |

- Cogan, David (1948)
Coggin, David (1875)
Cohen, Martin (1925)
Cole, J. Gordon (1965)
Cordes, Frederick (1933)
Costenbader, Frank (1961)
Coston, Tullos (1967)
Courtney, Robert (1942)
Cowan, Alfred (1927)
Cowan, Thomas (1959)
Cowen, William (1895)
Cox Jr., Morton (1980)
Craig, William (1903)
Crampton, George (1912)
Crawford, John (1968)
Crawford, Joseph (1941)
Crisp, William (1931)
Cross, George (1925)
Culbertson, Howard (1878)
Culler, Arthur (1940)
Culver, Charles (1890)
Curdy, Robert (1906)
Curtis, Edward (1870)
Curtis, Edward M. (1868)
Cushing, Harvey (1938)
Cushman, Beulah (1937)
Cutler, Colman (1902)
Cutter, George (1887)
Danielson, Ralph (1956)
Davidson, John (1908)
Davies, Windsor (1954)
Davis, Achilles (1907)
Davis, Frederick (1929)
Day, Robert M. (1959)
Day, Robert (1957)
De Beck, David (1887)
De Long, Perce (1933)
De Witt, Edward (1931)
Delafield, Francis (1866)
Dennett, William (1878)
Dennis, David (1918)
Derby, George (1909)
Derby, Richard (1871)
De Roethth, Andrew (1963)
De Schweinitz, George (1889)
DeVoe, A. Gerald (1947)
Dixon, Joseph (1963)
Dixon, Lewis (1874)
Dobbie, J. Graham (1980)
Dodd, Oscar (1912)
Dodge, Stephen (1879)
Doherty, William (1928)
Donahue, Hugh (1949)
Donaldson, David (1964)
Donegan, Justin (1953)
Downey, Harold (1945)
Drews, Leslie (1942)
Duane, Alexander (1902)
Duane, Thomas (1966)
DuBois, Abram (1864)
Duggan, Walter (1945)
Duke-Elder, Sir Stewart (1946)
Duncan, J. L. (1908)
Dunlap, Edward (1967)

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|--------------------------|-------------------------------|
| Dunnington, John (1929) | Francis, Lee (1912) |
| Dunphy, Edwin (1932) | Frayner, William (1966) |
| Durham, Davis (1970) | Fridenberg, Edward (1893) |
| Dyer, John (1976) | Fridenberg, Percy (1902) |
| Eber, Carl (1935) | Friedenwald, Harry (1894) |
| Edgerton, Ambrose (1942) | Friedenwald, Jonas (1928) |
| Eggers, Harry (1939) | Friedlaender, Mitchell (1989) |
| Elles, Norma (1940) | Friendly, David (1978) |
| Ellett, Edward (1912) | Frost, Albert (1935) |
| Elliot, Alfred (1954) | Frueh, Bartley (1984) |
| Ellis, George (1968) | Fry, Wilfred (1936) |
| Ellsworth, Robert (1969) | Fryer, Blencowe (1883) |
| Ely, Edward (1878) | Gamble, Richard (1934) |
| Emerson, J. B. (1887) | Garron, Levon (1963) |
| Eno, Henry (1870) | Gass, J. Donald (1972) |
| Evans, John (1930) | Gibson, Glen (1942) |
| Everett, William (1966) | Gibson, James (1895) |
| Ewing, Arthur (1890) | Gifford, Harold (1946) |
| Falls, Harold (1952) | Gifford, Sanford (1930) |
| Feingold, Marcus (1920) | Gillette, David (1943) |
| Fenner, C. S. (1875) | Gipner, John (1929) |
| Fenton, Thomas (1896) | Goar, Everett (1928) |
| Fewell, A. G. (1933) | Goldberg, Harold (1913) |
| Fink, Austin (1968) | Gould, George (1895) |
| Fink, Walter (1942) | Gradle, Henry (1923) |
| Finlay, Charles (1927) | Grant, Hendrie (1944) |
| Finnoff, William (1920) | Grant, Henry (1896) |
| Fisher, Carl (1915) | Grant, W. Morton (1956) |
| Fiske, George (1893) | Greear, Jr., James (1940) |
| Fox, L. Webster (1883) | Green, John (1866) |
| Fox, William (1904) | Green, Jr., John (1919) |
| Fralick, F. Bruce (1944) | Green, W. Richard (1975) |

Greene, Louis (1908)	Hays, Isaac (1864)
Greenwood, Allen (1905)	Heath, Parker (1927)
Griscom, J. Milton (1914)	Heckel, Edward (1914)
Gruening, Emil (1875)	Hedges, Jr., Thomas (1963)
Guerry III, DuPont (1951)	Heed, Charles (1913)
Gunderson, Trygve (1935)	Henderson, John Warren (1956)
Guyton, Jack (1948)	Henderson, John Woodworth (1955)
Hackley, Charles (1868)	Hepburn, Neil (1890)
Haddock, Charles (1903)	Hewson, A (1864)
Haden, Henry (1926)	Heyl, Albert (1875)
Haessler, F. H. (1927)	Hildreth, Joseph (1864)
Haik, George (1954)	Hildreth, Rommel (1940)
Hale, George (1892)	Hill, Emory (1920)
Hall, A. D. (1867)	Hill, Howard (1941)
Hall, William (1895)	Hilton, George (1981)
Hallum, Alton (1945)	Hitz, John (1957)
Hansell, Howard (1887)	Hogan, Michael (1950)
Hansen, Erling (1950)	Holden, Ward (1896)
Harbridge, Delamere (1918)	Hollenhorst, Robert (1958)
Hardesty, John (1934)	Holloway, Thomas (1909)
Hardy, Le Grand (1931)	Holmes, Christian (1906)
Hardy, William (1918)	Holmes, Edward (1865)
Harlan, George (1873)	Holmes, William (1950)
Harlan, Herbert (1901)	Holt, Erastus (1883)
Harley, Robison (1951)	Holt, Jr., Erastus (1921)
Harrington, David (1946)	Holzer, William (1925)
Harris, John (1966)	Hooper, Robert (1864)
Harrower, David (1889)	Hoover, Richard (1967)
Harvey, Darrue (1896)	Homer, Warren (1941)
Haskell, Henry (1904)	Hotz, F. C. (1902)
Hay, Gustavus (1864)	Howard, Harvey (1917)

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|------------------------------|-----------------------------|
| Howard, Rufus (1977) | Kennedy, Robert E. (1964) |
| Howe, Lucien (1878) | Kennedy, Robert H. (1995) |
| Hubbell, Alvin (1895) | Kenyon, Beverley (1908) |
| Hughes, Wendell (1941) | Key, Ben (1919) |
| Hughes, Jr., William (1952) | Kilburn, Henry (1901) |
| Hunt, William (1864) | Kilgore, George (1942) |
| Hunter, Dwight (1891) | Kimura, Samuel (1962) |
| Hutchinson, Edwin (1871) | King, Clarence (1927) |
| Igersheimer, Joseph (1951) | King, Merrill (1939) |
| Iliff, Charles (1957) | King, Jr., John (1956) |
| Ingalls, James (1898) | Kipp, Charles (1873) |
| Irvine, A. Ray (1947) | Kirby, Daniel (1929) |
| Irvine, S. Rodman (1948) | Kirby, Thomas (1967) |
| Irvine, Jr., A. Ray (1962) | Knapp, Arnold (1903) |
| Jack, Edwin (1895) | Knapp, Frank (1943) |
| Jackson, Edward (1885) | Knapp, Herman (1869) |
| James, William (1941) | Knapp, Philip (1959) |
| Jameson, P. Chalmers (1912) | Knighton, Willis (1949) |
| Jeffries, John (1864) | Knobloch, William (1975) |
| Jervy, James (1918) | Koch, Ferdinand (1943) |
| Jervy, Jr., James (1955) | Koller, Carl (1889) |
| Johnson, Carl (1961) | Kollock, Charles (1888) |
| Johnson, Lorand (1957) | Kramer, Steven (1980) |
| Johnson, Thomas (1933) | Krause, Arlington (1938) |
| Johnson, Walter (1892) | Krewson III, William (1950) |
| Jones, Samuel (1870) | Krieger, Alexander (1967) |
| Joy, Harold (1941) | Krill, Alex (1969) |
| Kaiser-Kupfer, Muriel (1980) | Krohn, David (1978) |
| Kearns, Thomas (1965) | Kronfeld, Peter (1932) |
| Keeney, Arthur (1956) | Krug, Ernest (1931) |
| Keller, Joseph (1935) | Kupfer, Carl (1971) |

- Lahav, Moshe (1987)
Laird, R. G. (1944)
Lamb, Harvey (1925)
Lamb, Robert (1913)
Lambert, Walter (1891)
Lancaster, Walter (1902)
Lane, Francis (1919)
Langdon, H. Maxwell (1912)
Lassalle, J. Albert (1931)
Leahey, Brendan (1957)
Leahey, George (1932)
Leinfelder, Placidus (1938)
Lemoine, Albert (1934)
Lennox, Richmond (1890)
Leopold, Irving (1951)
Lepard, Cecil (1943)
Lester, J. C. (1902)
Levene, Ralph (1972)
Lewis, F. Park (1933)
Lewis, Frank (1898)
Lewis, Philip (1936)
Libby, George (1907)
Liebman, Sumner (1963)
Lillie, Walter (1931)
Linszk, Arthur (1954)
Lippincott, James (1883)
Little, W. S. (1878)
Lloyd, Lois (1973)
Lloyd, Ralph (1933)
Locke, John (1963)
Long, John (1962)
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| McDannald, Clyde (1943) | Neff, Eugene (1944) |
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Bibliography

The material for this volume comes from three main sources: the Council Minutes of the American Ophthalmological Society, the *Transactions of the American Ophthalmological Society*, and the American Ophthalmological Society website at <http://www.aosonline.org/>. See below for links to the source material used from the website. The authors also depended heavily on the previous histories by Newell and Wheeler as guides for this volume and for relevant background information, especially in regard to deceased members. Another crucial source of material for the authors was the AOS management staff, notably Tom Liesegang, Stephen Moss, and Lisa Brown. For always being willing to answer our questions either via conference call or email, the authors extend their thanks and gratitude.

American Ophthalmological Society website at <http://www.aosonline.org/>

- Albert, D. M. (2008). "The Howe Medal: Its history and significance." Delivered May 17, 2008. Text available at http://www.aosonline.org/history/the_howe_medal_text.pdf
- AOS Curriculum in Ophthalmology for Medical Students <http://www.aosonline.org/medstudentcurriculum.html>
- AOS History <http://www.aosonline.org/history.html>
- AOS Membership Benefits http://www.aosonline.org/membership_benefits.pdf
- Annual Meeting <http://www.aosonline.org/annualmeeting/annualmeeting.html>
- Call for Abstracts http://www.aosonline.org/annualmeeting/call_for_abstracts.pdf
- Constitution and Articles of Incorporation of the American Ophthalmological Society (Bylaws) <http://www.aosonline.org/membersonly/bylaws.pdf>
- History of the American Ophthalmological Society Charitable, Educational, and Scientific Trust Fund (CES) http://www.aosonline.org/history/ces_fund_history.html
- Membership Information <http://www.aosonline.org/memberinfo.html>
- New Members' Guide <http://www.aosonline.org/membersonly/handbook.pdf>

- Thesis Guidelines for the American Ophthalmological Society <http://www.aosonline.org/thesis-guidelines.pdf>
- *Transactions of the American Ophthalmological Society* <http://www.aosonline.org/2001xactions.html> <http://www.ncbi.nlm.nih.gov/pmc/journals/308/>
- Van Meter, W. (2010). The American Ophthalmological Society athletic trophies. Available at http://www.aosonline.org/history/athletic_awards.pdf

BOOKS

- Hall Shastid, T. (1917). "Ophthalmological associations." In C. A. Wood (Ed.), *The American encyclopedia and dictionary of ophthalmology* (vol. 11, pp. 8898–8899). Chicago, IL: Cleveland Press.
- Hirschberg, J. (1918). *Geschichte der Augenheilkunde*. Berlin, Germany: Springer Verlag. Translated as *The history of ophthalmology: United States of America, Switzerland, Belgium. The first and second half of the nineteenth century (part six, seven and eight)* (translated by F. C. Blodi). (1990). Vol. 9, pages 145–158. Bonn, Germany: J.P. Wayenborgh Verlag.
- Hubbell, A. (1907). *The development of ophthalmology in America* (pages 165–170). Chicago, IL: American Medical Association Press.
- Osler, W. (1921). *The evolution of modern medicine; a series of lectures delivered at Yale University on the Silliman Foundation in April, 1913*. New Haven, CT: Yale University Press.
- Newell, F. W. (1989). *The American Ophthalmological Society 1864–1989: A continuation of Wheeler's First hundred years*. Rochester, MN: Published for the American Ophthalmological Society by Johnson Printing Company.
- Snyder, C. (1967). "Julius Homberger." In C. Snyder (Ed.), *Our ophthalmic heritage* (pages 56–62). Boston, MA: Little Brown.
- Wheeler, M. C. (1964). *The American Ophthalmological Society: The first hundred years*. Toronto, Ontario: University of Toronto Press.

ARTICLES

- Blodi, F. C. (1989). "The tenth Frederick H. Verhoeff Lecture. What else did 1864 contribute to ophthalmology?" *Transactions of the American Ophthalmological Society*

- logical Society*, 87, 213–300. Retrieved from <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1298547/>
- Friedenwald, H. (1939). "The American Ophthalmological Society: A retrospect of seventy-five years." *Transactions of the American Ophthalmological Society*, 37, 51.
- Jampol, L. M., Packer, S., Mills, R. P., Day, S. H., & Lichter, P. R. (2009). "A perspective on commercial relationships between ophthalmology and industry." *Archives of Ophthalmology* 127(9), 1194–1202. Retrieved from <http://archophth.ama-assn.org/cgi/reprint/127/9/1194.pdf>
- Mets, M. B., Brown, A., Doan, A. P., Williams, R. D., Mills, R., Erie, J. C., & Gross, R. (2012) "The ophthalmologist of the future." *Archives of Ophthalmology* 130(9), 1190–1194. Retrieved from <http://archophth.jamanetwork.com/article.aspx?articleid=1357944>
- Mets, M. B., Rich, W. L., Lee, P., Schuman, J. S., Wilson, D., Chew, E., & Buckley, E. (2012). "Ophthalmic practice of the future." *Archives of Ophthalmology* 130(9), 1195–1198. Retrieved from <http://archophth.jamanetwork.com/article.aspx?articleid=1357945>
- Newell, F. W. (1989). "The American Ophthalmological Society: The first 125 years." *Transactions of the American Ophthalmological Society*, 87, 47–56.

MEMBER BIOGRAPHIES

For the most part, living members provided their own biographies, which were lightly edited by the authors. For deceased members, information was collected from two main sources: Newell's *The American Ophthalmological Society, 1864–1989*, and the *Transactions* (In Memoriam). Other sources are cited below:

Freeman, Hal MacKenzie

Distinguished Achievement Award, New England Ophthalmological Society. Retrieved April 15, 2013, from <http://www.neos-eyes.org/index.php/home/distinguished-achievement-award#freeman>

2007 Retina Society Meeting, "Guest of Honor – Hal Mackenzie Freeman."

Gass, J. Donald M.

Awards, The Retina Society. Retrieved January 18, 2013, from http://www.retinasociety.org/index.php?option=com_content&view=article&id=58

Green, W. Richard

Arnall Patz Award, The Macula Society. Retrieved April 10, 2013, from <http://www.maculasociety.org/awards-lectures/60-arnall-patz-medal>

Kennedy, Robert E.

AOS Council Minutes

Newell, F. W., & Wheeler, M. C. (1989). *The American Ophthalmological Society, 1864–1989: a continuation of Wheeler's First hundred years*. Rochester, MN: Published for the American Ophthalmological Society by Johnson Printing Company.

Robert E. Kennedy, MD December 2, 1920 – February 20, 2006. Memorial Service Eulogy. 2006.

Robert E. Kennedy. Obituary. February 22, 2006.

O'Day, Denis Michael

Clarkson, J. G. (2012). "In memoriam: Denis Michael O'Day, MD (1935–2012)." *Archives of Ophthalmology*, 130(12), 1625. doi:10.1001/jamaophthalmol.2013.1201

Zimmerman, Lorenz E.

American Academy of Ophthalmology (n.d.). *2006 Laureate Award: Lorenz E. Zimmerman, MD*. Retrieved January 18, 2013, from <http://www.aao.org/about/awards/laureate/zimmerman.cfm>

American Society of Cataract and Refractive Surgery (n.d.). *Lorenz E. Zimmerman, MD*. Retrieved April 4, 2013, from <http://www.ascrs.org/lorenz-e-zimmerman-md>

Helen Keller Foundation for Research & Education. *The Helen Keller Prize for Vision Research: Lorenz Zimmerman, MD*. Retrieved January 24, 2013, from <http://www.helenkellerfoundation.org/research-prize-bio-zimmerman.asp>

The Washington Post. (2013). "Lorenz E. Zimmerman Death Notice." Retrieved April 4, 2013, from <http://www.legacy.com/obituaries/washingtonpost/obituary.aspx?pid=163720452#fbLoggedOut>

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