

THE NEUROSURGEON

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THE PERSONAL JOURNAL
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THE AMERICAN ACADEMY OF NEUROLOGICAL SURGERY



OFFICERS 1971-72

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NEW MEMBERS

THE NEUROSURGEON would like to take this opportunity to welcome the New Members and hopes that they will enjoy and contribute to THE NEUROSURGEON. Many of them have letters in this issue. Unfortunately the background information of all the New Members could not be obtained. Therefore, the names of all the New Members are listed.

ACTIVE MEMBERS

Dr. James Atkinson
Dr. Gale Clark
Dr. Kemp Clark
Dr. Peardon Donaghy
Dr. William Hunt
Dr. Phanor Perot
Dr. Richard Schelder
Dr. Bennett Stein

CORRESPONDING MEMBERS

Dr. Hans Diemath
Dr. Juan Christensen
Dr. Kenneth Jamieson
Dr. Katsuoshi Kitamura
Dr. Guiseppe Dalle Ore
Dr. Kjeld Vaernet

THE NEUROSURGEON





Barnes and Frances Woodhall

Although I do not retire for four more years, I now live or at least my office is in a part of the Medical Center that is called the "Retirement Village." This is very nice since my office is next to a private exit which allows me to come and leave without the Dean's checkoff system.

Actually in many queer ways, I seem to be working harder after leaving the Chancellorship on the first of July than I did earlier in the University. I still have many old patients and my five year old binge with high energy phosphates in the brain seems to be moving along reasonably well. We have everything now well established for a clinical trial except for permission from the FDA. We have rather good financing for some interesting equipment and another twelve months may enlighten the problem or bury it for good.

Frances and I had a rather long fall with the Congress of Neurological Surgeons and a funny-do with the Southern Medical Association and then that perfectly gorgeous trip to Mexico. In Mexico under the threat of impending obsolescence, I listened to every paper. Frances had a gorgeous time in many respects. I am not a great photographer and most of mine are in color showing my grandchildren dressed in Mexican wraps and these would not be fitting for THE NEUROSURGEON. On the other hand I wish I had taken a photograph of the customs official who went through our bags marijuana leaf by marijuana leaf. Some people I understand scatter razor blades throughout their luggage but with my background I have profound admiration and respect for the United States Government.

Finally, the University has asked me to edit my official papers for the last ten years. As you know, I have never been able to hold a permanent job or any job for more than two years at the time and this will be a real task. I did keep a private diary of Trustee meetings which my estate will publish posthumously and it should remain on the top list of the New York Times book review for many years.

Perhaps Barnes' papers could be sold to The Times since this paper seems to enjoy publishing secret and unclassified documents.



Stuart and Elva Rowe



Elva and I had a very pleasant vacation, occupied mostly by boating and a little fishing and entertaining a number of our friends and portions of the family on the boat. My closest approach to any clinical work was a visit to the Department of Electroencephalography at the Medical School of the University of Miami, at Jackson Memorial Hospital. Usually we get together with Wally Hamby but on this trip we seemed to be fairly busy and the one attempt we made to contact him failed to locate him, so we did not see each other.

Since returning to the frigid north, I have been shoveling snow about three days out of five and have resumed work on the constant flow of electroencephalograms, as well as attending a few of the neurosurgical conferences in our Graduate Program.

The difference between men and boys -- the cost of their toys.

It is no small art to sleep: to achieve it one must keep awake all day.



Barton and Martha Brown



Martha and I undoubtedly experienced all of the unfortunate complications of travelers in Mexico ranging from improper reservations, lost luggage, stolen gifts and, of course, "the Turista"! It was our conclusion that Mexico would be a wonderful place to live, but we wouldn't want to visit there!!

Scientifically, we continue to do clinical research in intra-operative conduction times in peripheral nerve cases. We have an excellent recording device with ability to stimulate and record oscilloscopic patterns and record them photographically. We hope when enough material has accumulated to be able to determine if there are any electrical parameters for indications and extent of internal neurolysis in peripheral nerve lesions in continuity.

Our new offices "are" going to be ready last August and as might be imagined we'll be fortunate if we are moved by the time of this publication.

We are looking forward to the next meeting at Tahoe and, of course, the subsequent one at Oxford. Problems in regard to the latter meeting site are already occurring. The children keep saying "when we all go to England." In the next NEURO-SURGEON a year from now, I'll let you know whether I am winning or losing the battle.

Experience is a hard teacher. She gives the test first and the lesson afterwards.

The man who rests on his laurels is wearing them in the wrong place.



Robert and Constance Fisher



All three of our kids are now in the teens. This is a very vigorous time as you are well aware. I think all factors considered, things seem to be coming along about as well as is possible. Connie has gone back to her pottery. I think it is also interesting to note that all of our folks are still living. They are all in their 80's. Connie's father and mother have been married 62 years; my father and mother have been married 55 years. We are anxious to see them when we go east this summer.

Many activities are going on at the Medical Center. We as well as so many other Medical Centers are fitting into the community so much more extensively than what we have in the past. I really think that we are on the right track. As you are aware, St. Anthony's Hospital, which is where Harry Wilkins and Jess Hermann did so much of the work for many years, has been a leading private hospital as far as educational facilities are concerned. It is very pleasant to see the two amalgamating their facilities as vigorously as they seem to be doing from the standpoint of education of House Officers and students. I am sure this is going to take a lot of work. It is going to take a lot of melting of personality ego, but I think it can be done and I think it is being done at the present time.

We have had an amazing amount of experience in Vein of Galen aneurysms recently. We have had three - all of them handled differently. The results have all differed and we have found these an extremely difficult process to manage. One of our residents is in the process of surveying this carefully and we hope to write this up relatively soon.

There are many more activities which are going on at the present time; there are additional personnel that I have every hope that we shall be able to recruit but I am not in a position at this particular time to indicate who these people are. I have every hope they will come with us in the future.

We feel so very indebted to Juan Cardenas for his remarkable management of such a superb meeting as we had in Mexico City. Our only regret is that we did not spend more time in Mexico, a country that we found so delightful.



George and Enid Baker



Enid and I are planning to attend the meeting of The Academy in Lake Tahoe in September. Since this is such a beautiful spot and the surrounding country is just a fisherman's paradise, I hope to get a "U-Drive-It" car in Reno and get Ernie Mack to map out a good tour for three or four days. Incidentally, Ernie will be our host at this meeting and having visited his area before, I know we can't find a better one for our group.

The clinical part of neurosurgery definitely disappears when you do not have a scalpel in your hand. The reading and lectures, programs at meetings, etc., do not hold the interest like removing a meningioma, clipping an aneurysm or repairing a severed nerve when this has been your life for thirty-five years or more. There is one very enjoyable day when the younger men ask you to visit or observe and quite often you can help.

Enid has been very interested in Real Estate activities in the past two years and like Fran Echols, she has been busy. She always plans two or three months for vacations with me or the family and surely is not bored by inactivity during my retiring years.

All of our children are well and active. We have eight grandchildren and they all visit us from time to time, and we also visit them. We have enjoyed a real Minnesota winter this year and will be looking forward to spring.

Someone should organize a "Speakers Bureau" so the talents of men such as George and Stuart as well as the other Academy members on the "retired list" could be used. They could help develop new residency programs and perhaps some of the foreign countries could use their organizational and technical skills in developing neurosurgical departments.



Samuel and Margaret
Snodgrass



Margaret and I have had an interesting, eventful year. I was succeeded as Chairman of the Department of Surgery here on April 1, 1970 by James E. Thompson, one of our graduates. Dr. Thompson, a general surgeon, received his training at the University of Pennsylvania and then went to Los Angeles. He attained full professorial rank at UCLA and was Surgeon in Chief at Harbor General Hospital. He is a vigorous young man, committed to research and teaching, and I am sure that he will do well here.

Being Chairman was an interesting experience but with a predictably short tenure on account of our retirement age, some things I believed desirable could not be accomplished. During my tenure, no one except our departed former Chief left the department and we recruited new heads of Otolaryngology, Neurosurgery, Urology and Dental Surgery. At that time, we were also changing to the full full-time arrangement which necessitated many meetings and conferences. These, together with continued discussions about a new curriculum, left all too little time for prolonged operative sessions and I have done relatively little surgery in the last year and a half.

I was offered six months leave and knowing that Dr. Thompson's priorities were probably not mine, it seemed a good time to be away.

After the meetings in Boston and Washington in April, I went to London. Margaret joined me there in May as soon as our youngest son went into the Army - he is now a medic with an infantry company in Viet Nam. Our long stay in London during 1936-37 made us very familiar with the city and we have always enjoyed returning. This time we enjoyed it more than ever - it scarcely rained and was even warm most of the time. The flowers were beautiful in the parks when I arrived. I had an opportunity to see a great deal of neurosurgery and was especially impressed with Professor Logue. Mr. Till's work on spinal dysraphism was interesting in his aggressive attitude in completely studying with air myelograms infants and children with minor spinal abnormalities. The number of patients he found with operable abnormalities was surprisingly large.

Admission being free, we had come to know most of the

museums in our first stay in London. This time, since we had planned to go to Greece, I was particularly interested in the Elgin Marbles in the British Museum. Morning and afternoon lectures were available as well as a brief demonstration at lunchtime. A monthly schedule of subjects and lecturers was available. We lived nearby and frequently attended the lectures and spent much time in the collections.

We went to Greece around July 1, and including an Aegean cruise, spent approximately a month there. We would have preferred cooler weather but we enjoyed it tremendously and hope sometime to return for a more leisurely visit.

I planned to spend some time on the "Hope" to get back into more active surgery but, unfortunately, she was in for refitting during the latter portion of my leave. After having been away so long, a tour of duty there now does not seem feasible.

Turning toward home, we spent a short time in Italy and visited Tunis briefly. We then went to Cambridge, Massachusetts to become re-acquainted with our two grandsons and their parents. Robert has a Teacher-Investigator grant in Neurology and is working chiefly on biochemical research at the Children's Medical Center.

From Cambridge we stopped off in Indiana where we grew up and have relatives as well as a farm. We bought a house there in Brown County - impulse buying at its worst - the poorest but perhaps the most scenic county in the state. It is near Bloomington and Indiana University which we both attended and is not far from Indianapolis. The house is really a log cabin with two frame extensions. It needs a good bit of work and we have put on a long-term lease. The location, lot and trees are all very good although there is no distant view which is possible from some of the hills and ridges.

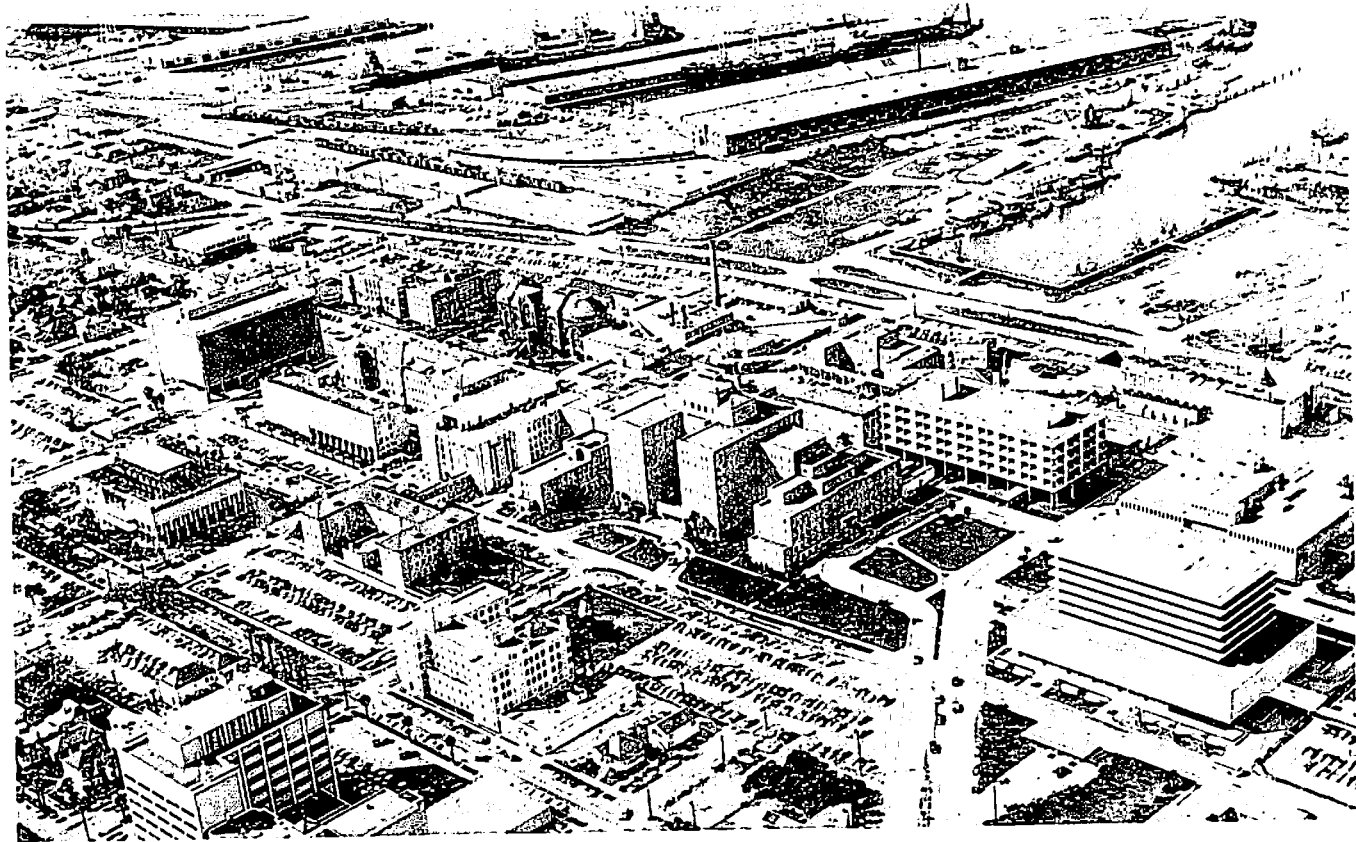
After my long absence from work, I did not feel free to attend The Academy meeting in Mexico although both of us would have greatly enjoyed being there. For many summers our family spent two or three weeks at the Pan American Doctors' Club, 75 miles northeast of Mexico City. We all enjoyed it and this rural area came to seem like a second home. I understand the Club is not as attractive as it was; some of our friends have died or moved into town and we have not been there for some time. Enjoying a wood fire there in midsummer was really very pleasant.

At Christmas we went out to Palo Alto and visited our second son. This was a happy time compared to the previous Christmas when he was in Stanford Hospital with a severe head injury. We will always be grateful to Jake Hanbery and his Associates for their dedicated care - during each of the two one-week periods I was there last year, there was always at least one nurse present in his four bed unit.

I am sending two photographs which I hope can be used. The first shows me receiving a plaque as Ashbel Smith, Professor of Surgery, from Truman Blocker, President of the Medical Branch. Ashbel Smith was a graduate of Yale and Yale Medical School who practiced medicine here in Galveston. He came to Texas early enough to become Surgeon General of the Army of the Republic of Texas, and was Ambassador to France and Great Britain. He is regarded as the father of the University of Texas and was Chairman of the first Board of Regents. Most professors passing 65 are made Ashbel Smith professors. The picture is of chief interest to me on account of the rather quizzical expression on Dr. Blocker's face and my own feeling of pleasure tempered somewhat by embarrassment at being dressed in rather garish finery. This, newly bought at St. Thomas, was worn to a dinner not expecting anything out of the ordinary. The photograph of the Medical Branch may be of interest. Construction of a six-story Administration Building is expected to get under way next month. Over the years, the Sealy and Smith Foundation for the John Sealy Hospital has been responsible for most of the construction. They have recently announced that in order to get right with the IRS, they have given the University sixteen million dollars and three years income so we expect further construction.

The Editor's job would be a lot easier if all were as prompt as Sam in sending in letters. It is fortunate that Sam visited the British Museum prior to his trip to Greece - host of the Greek and Egyptian treasures seem to be in the British Museum.







President-Elect
The American Association of Neurological Surgeons



The Joggers Relax



Reedie trying to help the V.A.



Harry and Margaret
Botterell



There are two special highlights of my activities this year. The first was a trip to Chicago, which started off to fulfill my need to have a visit with Joe Evans and ended up, thanks to his planning, being a stimulating, exciting and enjoyable 48 hours. In this short time I enjoyed a visit with Paul Bucy's group, Sean Mullan's group, spent the evening at the Institute of Medicine of Chicago's workshop on "The Doctor and his Changing Community", and took part in a symposium on "Problems in the Delivery of Health Care", that perennial subject, which included Ray Brown, Dr. Walter Bornemeier, and Dr. Sidney Garfield, the founder of the Kaiser Health Plan. In spite of all this I had a magnificent visit with Joe Evans and returned to Queen's refreshed.

The next period of three months will be a wonderful time for Margaret and me. We are going to visit the United Kingdom and have three weeks on the continent. We both look forward to seeing old friends, and I am going to visit some spinal injury centres. Dr. Al Jousse of Lyndhurst Lodge fame and I plan next year to review our old patients. This will give me a chance to evaluate the history of spinal cord injury patients, operated and unoperated. It should be of great interest for there are a good many of our 20-year paraplegics treated a variety of ways. Visits to the centre in Stoke-Mandeville and in Heidelberg will be full of interest and also give us a good excuse for a trip to Europe. Next year Dr. Jousse and I (together, I hope) will visit some of our old friends in the United States.

This summer sees the completion of my term of office as Dean and Vice-Principal at Queen's. Margaret and I plan to stay in Kingston. I hope to do a little surgical neurology (non-operative) and do some work with the students. We were extremely sorry to miss The Academy last year, but the autumn is a very bad time in Canadian administrative life. We hope for better things next year.

It is a sad commentary on this era that so much time must be spent debating "The Delivery of Health Care." Hopefully, the situation will improve, but as politicians take this field over, it will probably become less effective and more expensive.



George and Isabella
Maltby



I am afraid my letter is going to be reasonably sterile this year, but I did want to write. Sim and I did so enjoy the Mexican meeting. Not only was the meeting good, but I think Dr. Cardenas did a great job. One of the great things about The Academy is friendship and seeing old friends from all generations. It was so great to sit at the banquet with Barnes Woodhall and others of the older group, plus Nick Zervas who I think is one of the brilliant young men in the Boston area and ultimately, if not soon, should be a member of The Academy.

Another of the great pleasures that we had on our Mexican sojourn was spending a week in Cuernavaca with Henry and Kit Heyl in a terrific house with a swimming pool lent to me by one of my (non-medical) friends. This was a great treat and it was really great relaxation. I have some snap shots of this which are in color and I am looking for them madly. I hope that I will find them in time for THE NEUROSURGEON!

I continue to do routine clinical neurosurgery and have at least 10 different projects, but I do not seem to find time to sit down and really analyze them and write them. I am also joining that Academy group of semi-retired neurosurgeons in Florida - that is, Al Uihlein, Wallace Hamby and others. I now have a license there, but what I will do with it, I don't know. For the time being I expect to go on in my old haunts in Maine.

"The purpose of life is not to be happy. The purpose of life is to matter, to be productive, to have it make some difference that you lived at all. Happiness, in the ancient, noble verse, means self fulfillment and is given to those who use to the fullest whatever talents God or luck or fate bestowed upon them."

-Leo Rosten



James and Mary Greenwood



I hope all of the members of The Academy enjoyed The Harvey Cushing meeting in Houston this past April. Paul Sharkey, who is very close to me, was Chairman of the Local Arrangements and I believe he did a fine job. Paul informed me that I had carried the load too long in Houston and that while they would consult me, they wanted me to enjoy the meeting with as little work as possible, and this is what I did. Paul is a former President of the Congress. He is an excellent organizer and very gifted as a neurosurgeon, both as to judgment and technique.

Eben Alexander did a fine job as guest lecturer in Galveston in November. The lectureship was established in honor of my father over twenty-five years ago. Sam Snodgrass did a beautiful job in giving some of the interesting facts in my father's career which showed the kind of Historian he is. Sam has developed a splendid service in Galveston.

Kemp Clark was kind enough to ask me to lecture at Dallas January 27 on intramedullary spinal cord tumors and while there in addition to visiting with our daughter and son-in-law, Nancy and Jim Riddle, I went on WFAA at Dallas for an interview on Vitamin C, precipitated by Linus Pauling's new book.

Mary and I have a new home address (since last June) in a somewhat smaller house which we have renovated at 1839 Kirby Drive, Houston 77019, only about a half mile from where we lived before. We are also starting a new country house about 70 miles from Houston on a beautiful lake with rolling hills, very much like Pennsylvania, which is Mary's home state, and very different from the flat country around Houston.

I hope to take additional time off when I can afford it to do more work on Vitamin C and radio frequency currents for purposes of surgical electrocoagulation. The present method, even with the help of Leonard Malis's work, is still very antiquated and Peter Kellaway has given me a laboratory in which to work.

As many of you know, I have written a large part of a book on golf, but stopped when I realized there were a number of things that were still unknown which I did not have. Man is not a thinking animal and it took me until three months ago

to realize that nerve conduction times are probably one of the reasons that it is so difficult to hit the ball properly. Proprioceptive sensation reaches the brain approximately 1/20th of a second after any actual occurrence or event. This does not seem much of a delay but during this interval, the club head travels five to six feet. So don't be surprised some day if the book is finished.

This should be a golf book with a different approach. Most of the golf books capitalize on the natural desire to play better golf. Jim's book should help us duffers explain why it is really not our fault that we can't play better !!



The Star of the Heyl Family



John and Catherine Lowrey



The past year as President of our state medical association, Governor of the Hawaii Chapter of the College of Surgeons, Member of the Executive Committee of our two-year medical school, and ex officio member of innumerable community councils and planning committees has been a busy one. Hawaii, with many physicians in group practice, one closed panel prepaid group, a few remaining plantation type practices, a medical foundation and many solo practitioners has done, we are told, a better job of delivering medical services than many parts of our country. The delivery of medical services appears to be Washington's primary interest in research and development studies at the moment. We have been frustratingly involved in trying to guide and influence some such studies.

If nothing else the year has convinced me that the consumer and Congress will more and more control our lives and practices. The choice is before us. We must, I believe, work through our State Medical Associations, the AMA and the College of Surgeons to lend our knowledge and expertise for the public good to try and see legislation introduced that is best for our patients and that includes the indigent. Unfortunately, you cannot have more for less and if more people get better care the bill will be higher.

A report to President Cleveland of the University of Hawaii by Drs. Chapman, Fein, Morrison and Walsh McDermott has recommended the University develop a degree granting medical school under certain conditions. The concept is to use our existing community hospitals for teaching. The only funding recommendation to start is to finance a task force to attempt to develop contracts between the school and the hospitals.

If satisfactory agreements cannot be made the future of the school is doubtful because a university teaching hospital complex is considered too costly for this state. It will be interesting to see what develops.

I look forward to May 1 when my term as State Association President expires and I can devote more time to practice.

The Socio-Economics of Medicine continues to become more complex and time consuming. Although John says we have a choice, it's beginning to look as though we don't have much of one; but it is reassuring to have men like John working on this problem.

Juan Cardenas y C

It is difficult to express oneself when emotions invade our ideas.

At the time of our meeting in Florida, when I offered the capital city of my country, Mexico City, for the 30th Annual Meeting I was very excited and anxious about the meeting in Mexico.

When the Society approved the idea, I felt thankful for this honor and at the same time I felt a great responsibility and a great desire to make the meeting an excellent one and we immediately went to work. The Hotel Camino Real was under construction and when we saw the brochures of what it would be like, we decided it would be the right place, beautiful and well located, to accommodate the members who attended.

We kept on working and checking everything, and sometimes we worried, but were always hoping for the best.

Our continuous correspondence with Bob Pudenz, Bill Scoville, Byron C. Pevehouse and some other officers gave us moral support and wise and thoughtful advice.

Time elapsed quickly and when the day arrived, we were able to meet old friends and new faces with pleasant smiles.

The welcome party was our "fire test" (prueba de fuego). The presence of the Ambassador of the United States of America and distinguished members of the Embassy as well as members and Mexican guests of the Sociedad Mexicana de Neurocirugia, gave great relevance to the evening.

The scientific program was carefully prepared so it turned out to be very interesting and brought new ideas.

I was especially impressed by the numerous young authors and ! could see their wives attending the lectures to participate in the joy and applause received by these young neurosurgeons. I could make a special comment on each of the papers read at the meeting but it would take time and space.

The cold night in Teotihuacan with the Light and Sound spectacle pleased every one as the majority in attendance have told us.

Finally, the farewell banquet prepared at The American Club was another light and sound festival with a happy and distinguished audience enjoying every minute of it, something we will remember always.

I would like to point out that behind a man's work there is a woman's support and there was my wife, Dolores.

We certainly had our wonderful rewards with new friends and a mutual comprehension of these two neighbor countries.

I would not like to miss this opportunity to express my thanks and appreciation to my colleagues from Mexico for their valuable cooperation.

Juan put a lot of time and work into the meeting in Mexico and is to be congratulated on a superb job. One will never forget the way water was used as a decoration in the Camino Real. However, it was a little difficult to watch the surging water in the entrance the morning after the welcoming party.



George Tindall

As I mentioned in my last communique, Katy and I were invited to attend a two-week teaching cruise in the Carribean. It was a post-graduate course in trauma and was sponsored by Tulane University. My assignment was to give four lectures in Neurosurgery, each approximately 30 minutes in duration. It was a delightful cruise and we made stops at St. Thomas, Martinique, Aruba, Curracao, Grenada, Carracas and Puerto Rico.

I attended the AMA program in Chicago in June and was pleased to see that we have finally obtained approval as a permanent section. As many of you know, this has been through the efforts of Eben Alexander, Ernie Mack, Frank Mayfield, as well as many others.

I was unable to attend the Congress meeting in St. Louis but was very proud that Barnes Woodhall was chosen as the honored guest for the meeting. He gave three outstanding talks and these will be published in Volume 18 of Clinical Neurosurgery. Speaking of Clinical Neurosurgery, I have the privilege of editing Volume 18 and I'm happy to report that all manuscripts are now in the hands of Williams and Wilkins and we expect publication of the Volume in early October (1971).

My most recent project involved videotaping the AANS meeting in Houston in April. The Department of Educational TV here at the Medical School was responsible for the taping and replay sessions. I learned that it was an involved (and expensive) undertaking, but I think it was a successful venture from the standpoint of teaching.

I have been very pleased with the activities of our Clinical Head Injury Unit. I have been involved with evaluating an intracranial (subdural) pressure transducer and also have been studying autoregulation in patients with severe head injuries.

As most of you know, Katy lost her long fight with cancer on November 4, 1970. My family and I would like to thank all our friends who expressed their sympathy and who were so helpful to us during this time.



Lawrence and Angeline
Pool



Angeline and I thoroughly enjoyed The Academy meeting in Mexico and take our hats off to the organizers, particularly Senora and Chairman Cardenas and our other most hospitable Mexican hosts! We then visited the pyramids and palaces of Yucatan which were marvelous to behold and to climb.

We also relished the fine Phoenix meeting with its splendid scientific program and the joy of seeing John Green's great Institute. Entertainment was of the highest order and the only thing missing was a nocturnal SON et LUMIERE performance such as we were treated to in Mexico City!

Have had an interesting run of transtentorial tumors lately that I hope to report on in the near future with respect to a few useful surgical tricks. Just now I am convalescing from a lousy strep infection of the leg that has fully cleared after 10 days in the hospital. But it's good for a doc to be a patient once in a while; one learns a lot that can be of help to patients!

In early May I expect to be Visiting Professor at John Gillingham's fine Edinburgh Center, perhaps with a wee bit o' fishin' on the side; and then comes the Prague meeting in July and The Academy in Reno - the latter to be a giant fire-cracker of an affair according to the Nevada underground.

The Prague underground reports that Larry had difficulty disposing of \$6.00 worth of Czechoslovakian money in the Prague Airport. He couldn't take it with him, he was not allowed outside of the area to exchange it, and the bar in the airport wouldn't let him buy a drink with it.



Robert and Mary Ruth
Pudenz

There is much excitement here in Pasadena these days. We are in the midst of rather noisy and distracting construction at the Research Institute. The facilities will be modernized and the space will be increased from approximately 8,000 square feet to slightly more than 20,000 square feet. This space will provide us with additional laboratories and animal space, as well as a large area for cardiovascular research under the direction of Dr. Richard Bing.

Currently our research activities involve the evaluation of the implantable teletimulator which has been fabricated for us by General Dynamics (Pomona Division) and the study of the effect of current density on the blood-brain barrier. This latter program is related to the development of a human visual prosthesis and is under the guidance of The National Institute of Neurological Diseases and Blindness. The other participants in this study are Harvard, Johns Hopkins, The University of Rochester and The University of Utah.

We are rather excited about our teletimulator program. Currently we are investigating its function in laboratory animals but in the autumn will begin to use it in many clinical applications. In this venture we are going to work with other neurosurgeons in the various teaching centers.

There have been many rewarding experiences since I took over as Director of the Research Institute. Perhaps the most rewarding have been the liaisons we have developed with The University of Southern California School of Medicine, California Institute of Technology and the Jet Propulsion Laboratory. Dr. William Pickering, the Director of the Jet Propulsion Laboratory, has become a member of our research Board of Directors and we foresee many mutual adventures in applying many of the ideas generated by scientists in space technology to patient problems.

It has been most amusing to me in my role as Director of the Research Institute to have many of my colleagues comment on being an 8 to 5 worker. Quite frankly, I have never been busier in my life. This job involves not only actively participating in experiments but a considerable amount of public relations and politicking. The week-ends come as a welcome relief but it is at this time that I can do some thinking, writing and planning.

Ruth joins me in sending best wishes to all of the members
of The Academy, their lovely wives and families.

Problems involved in designing a visual prosthesis
seem insurmountable - but so did television and a
trip to the moon only a few decades ago.



California Hoedown

AZTEC MEDICINE *

With Comments on Mexican Neurosurgery

Robert H. Pudenz, M. D.

When Hernan Cortes and his band of 553 Conquistadors arrived in Veracruz in 1519 the Aztecs ruled a mighty civilization that extended from the Gulf Coast to the Pacific Ocean and from Honduras and Nicaragua in the South to the Southwestern United States in the North. It is believed that the Aztecs, like the other Indian tribes, migrated into North America across the Bering strait and arrived in this mile and a half valley in 1168 AD. According to the legend, the wandering tribe had chosen this site when they saw an eagle with a rattlesnake in its mouth perched on the nopal cactus growing on a rock. Their priests had foretold that this was the site on which they would build their capital, Tenochtitlan.

At first the Aztecs lived in a most primitive manner, barely subsisting on whatever food they could find. They hired themselves out as mercenaries to neighboring tribes and by the early 14th century had become a formidable military force which speedily conquered and annexed neighboring tribes and absorbed and improved their cultures.

Tenochtitlan reminded Cortes and his soldiers of Venice. It was a magnificent city located in the center of a lake, threaded with canals and reached by long, broad stone causeways. Hundreds of temples, palaces and other buildings, many of which were flamboyantly colored, were noted. There were beautifully landscaped country villas with pools and fountains. Their art works were outstanding, their markets stocked with a large variety of items and their scientific progress almost unbelievable.

The political structure of the Aztecs bore a strong resemblance to Imperial Rome. The emperor was all-powerful. He was counseled by tribal leaders and personal advisors. At his death his successor was chosen from his eligible male relatives on the basis of merit.

The judicial system protected the rights of all individuals. In contrast with the European system where women were usually mere chattels of their husbands, Aztec women had equal rights.

* Presidential Address. Meeting of The American Academy of Neurological Surgery. Mexico City. November 18-21, 1970.

Education, arts, sciences and the professions were dominated by the Aztec priesthood. The priests served as historians, scribes, mathematicians, astronomers and astrologers. In the sciences they functioned as teachers, practitioners and research workers. Outstanding among their many contributions was their calendar which in their 52 year cycle was within 11 minutes of absolute astronomical exactitude.

Much more could be said about Aztec science and culture but our concern is with Aztec Medicine. Our knowledge of this is based on manuscripts that survived the book-burnings ordered by the Spanish conquerors. Most important among these are the Badianus and Sahagun manuscripts.

The Badianus manuscript was written in 1552 by two Aztecs who were educated by the Franciscans at the College of Santa Cruz. It was first written in the Aztec language on loose sheets by Martinus de la Cruz and immediately translated into Latin by Juannes Badianus under the title "Libellus de Medicina libus Indorum herbis." This beautiful little volume bound in crimson velvet was discovered in the Vatican Library in 1929 by Clark and Thorndike and subsequently translated into English by Dr. Emily Walcott Emmart. The English edition was published by the Johns Hopkins Press in 1940. (2)

The Sahagun manuscripts are the work of Fray Bernardino de Sahagun who is considered to be the true father of the history of medicine in Mexico. Fray Bernardino was a teacher at the College of Santa Cruz. Apparently he was away at the time de la Cruz and Badianus were writing the Aztec herbal and was unaware of this manuscript. His first books were religious and historical tracts which have preserved the history of the pre-conquest period. However in the great plague of 1546 he developed the disease (either smallpox or typhus) and following his recovery focused on Aztec Medicine. He gathered a group of native physicians about him and wrote extensively on native remedies and treatments. The manuscript was completed in 1585 with the text in both Nahuatl and Spanish. Subsequently it was translated into English. (6)

Additional knowledge of Aztec Medicine is contained in the letters of Cortes to Charles V and the historical accounts of Acosta, Oviedo and the classic history of Bernal Diaz del Castillo. Mexican medicine was introduced into Europe by the various publications of Nicolas Monardes during the latter part of the 16th century. Monardes, a physician of Seville, never came to the New World but gathered his information from ship's captains, travelers and missionaries and by correspondence with many individuals in New Spain.

Although these documents are an invaluable source of information, they do not present the true picture of Aztec Medicine. Dibble and Anderson (6) point out that the Spanish impression

of the Aztecs' knowledge of anatomy and their medical practice was based on interpretation from the available 16th century medical vocabularies. It is also apparent that the Aztec physicians differed in their management of medical problems.

Medicine, as practiced by the Aztecs, was inseparably linked with religious ideas. Various gods presided over different diseases and medical specialties, even over sleep and dreams. Mendieta wrote in 1590 that "when called to cure a patient the (Aztec) physician used herbs and applied some remedies if the ailment was of minor importance, but if the disease was acute and dangerous he would tell the patient "you have committed a sin". Psychotherapy and religious rituals, therefore, supplemented the use of indigenous materia medica.

Despite this emphasis on the supernatural origin of disease the Aztecs recognized that diseases could be transmitted by other media, particularly through the air. They made extensive use of incense to ward off airborne diseases. When Montezuma and his courtiers greeted Cortes and his army on their arrival in Tenochtitlan, attendants carried censers and filled the air with incense. The Spaniards thought this a mark of esteem but the Aztecs were only protecting themselves.

It is difficult to evaluate the prestige of the physician in the Aztec social structure. More than likely it is a question of the standards by which they are judged. Cortes requested Charles V not to allow physicians to come to Mexico because the dexterity and knowledge of the native doctors made it unnecessary. Both the Emperor and the Pope dispatched emissaries to learn everything possible about Mexican materia medica. According to Carrington (1) the Aztec doctor was as respected as were the high priests. However, another modern authority, Francisco Guerra, states that male and female physicians had little prestige and in modern times would be classified as blue collar workers.

The Aztecs had two categories of physicians. The one group comprised the Tepatl who were the legitimate physicians and the other the Ticitl who would be comparable to the witch doctor, sorcerer or medicine man in existing primitive societies.

Both men and women were trained as physicians in an apprentice system. Sons were commonly apprenticed to their physician fathers. Men started to practice at a younger age than women. The latter engaged in medical practice only after the menopause because menstruation and parturition were considered bodily impurities. A certain degree of specialism existed in medical practice. Among these specialties were internal medicine, surgery, midwifery, phlebotomy, pediatrics, pharmacy and dentistry.

Anatomy

In Book 10, Chapter 27 of the Sahagun codices there are descriptions of the parts of the body and their properties. A considerable number of anatomical terms and descriptions of attributes are noted for surface anatomy and for muscles, bones and joints. Much of this knowledge came from their practice of flaying sacrificial victims. Although they had some knowledge of visceral anatomy it was rather limited.

The Nahuatl name for the brain is quatextli and its attributes are listed as white or very white, fine textured or very fine textured, moist and cold. Nerves (tlaloatl) are noted to be strong and thin and "all the nerves we are bound together with."

Internal Medicine

The Aztec internist made extensive use of medicinal plants. The latter were gathered throughout the empire and planted in large botanical gardens. The Badianus manuscript mentioned 251 plants and illustrates 185 of these in color. Hernandez, who wrote in the latter part of the 16th century, compiled a list of almost 1200 plants.

The physicians were encouraged to use prisoners to determine the physiological effects of plant ingredients. Many of them had analgesic, sedative, antiemetic, antispasmodic, antihelminthic and other therapeutic properties. It is noteworthy that many of these plant extracts were being used by eclectic physicians who enjoyed great popularity in the United States at the turn of this century.

The hallucinogenic properties of certain mushrooms were well known. The Aztec expression for a vain, haughty and presumptuous person was "he mushrooms himself". A powder called yiauhtli or yoyotli, obtained from the plant thebetis yoyotli, had ataractic properties. It was blown into the faces of sacrificial victims for inhalation and calmed their fears.

As noted previously the treatment of the patient was not limited to the use of plant extracts. This can be illustrated by this quotation from the Badianus manuscript concerning the treatment of skull fracture:

"Herbs that spring up in the summer, wet with dew, ground up in the blood of a punctured vein and white of egg with emerald, pearl, crystal and bezoar stone of the huatzin, (a small native bird), and little earthworms, are to be smeared on the fractured head; when there is no blood found, burned frogs will serve."

Surgery

The Aztec surgeon's knowledge of external and superficial anatomy enabled him to become skillful in the treatment of wounds, the setting and immobilization of fractures and in draining abscesses. There is no evidence that he performed any thoracic or abdominal operations. Their surgical instruments were fabricated from obsidian, wood and thorns.

Aztec surgeons were superior to their European counterparts in the treatment of wounds, particularly those resulting from warfare. Wounds were cleansed with water and astringents and closed with interrupted sutures, ofttimes human hair, and dressed immediately with a latex type of material. Open wounds with infected granulation tissue were irrigated with the juice of papaya and other plants. They were considered reasonably skilled in the setting and immobilization of fractures. Immobilization was accomplished either by applying four wooden splints surrounded by bandages or by applying a cast made from feathers, gums and resins. In the Sahagun codices there is a most interesting description of an "intramedullary nailing technique as follows:

"And if one is very sick and his body is much fevered and the bone is exposed, a very resinous stick is cut, inserted within the bone, bound within the incision, covered with the medicine mentioned."

It is questionable whether the Aztecs trephined skulls. Schendel (7) states "the outstanding surgical procedure performed by the Aztecs was trepanation". The procedure was allegedly used to elevate depressed skull fractures and to release "evil spirits" in the epileptic or insane person. Their technique is said to have differed from that used by the Incas. It consisted of punching a series of small holes in the skull surrounding the area to be removed, cutting between the holes and lifting out the section of bone or the depressed fragments. Guzman West (5) states, however, that trephination of the skull was no longer practiced at the time of the Spanish conquest and that all of the trephined skulls found in Mexico belong to the periods between 600 BC and 1000 AD.

Other surgical procedures consisted of dissection and removal of pterygia from the eye with instruments fabricated from thorns. Some authors have stated that they removed cataracts but Guerra (4) notes that in the treatment of cataracts and corneal opacities they used scatalogical procedures which could only have led to violent inflammation and blindness.

Dentistry

Dentistry as practiced by the Aztecs involved several procedures. Teeth were filed and inlaid with precious and semi-precious stones for cosmetic purposes. There is no evidence that cavities were drilled or filled.

In the Badlanus manuscript it is said that teeth were extracted after applying a substance consisting of the ashes of a burned iguana, rattlesnake venom and vinegar. In his recent book Schendel (7) mentions that in modern times Itinerant Mexican Indian dentists apply a secret substance to the teeth of their patients and extract them painlessly.

Obstetrics

Obstetrics was practiced by midwives. They would remain with the parturient woman during the latter part of her pregnancy. Bathing of the patient and certain rituals were employed. They were considered to be quite skilled and practiced such procedures as external version and embryotomy.

Public Health

The Aztecs were fastidiously clean in their habits of daily living. They are said to have bathed and changed their clothing frequently. Sauna and mineral baths were very popular. They brushed their teeth with a mixture of wood ashes and honey, used deodorants and perfume.

Their water supply was derived from springs in the Chapultepec Hills and flowed into the city in an aqueduct several miles in length. It was piped into the larger homes and into public fountains where inhabitants could fill their clay jars.

Human excreta was collected and transported by barges to the farms where it was used as fertilizer. Public latrines were placed in strategic places. The streets were swept and watered daily by a large corps of street cleaners.

The government established hospitals for veterans throughout the empire and staffed them with physicians and surgeons. These hospitals also served as regional centers for providing assistance to the poor. Quarantine was employed in the presence of transmissible disease. However, individuals with incurable or contagious disease were frequently turned over to the priests for sacrifice. Deformed children and adults were housed and displayed in a compound adjacent to the Imperial Zoo, a custom reminiscent of the old circus side-show. While some might consider this cruel, it should be remembered that at this time the deformed and crippled in Europe were considered outcasts unless they were fortunate enough to become members of a royal court.

Mexican Firsts in Medicine

It was mentioned previously that there were no Spanish physicians attached to Cortes' army. They began to arrive after the Conquest. Tenochtitlan had been razed and the construction of the new city in Spanish style was begun and continued at a feverish pace using native laborers. Hospitals were constructed and were operated by the priests who enlisted the aid of the native physicians. Medical practice soon became a fusion of Aztec and Spanish medicine which had its advantages and disadvantages.

The stage was now set for the development of the many medical "firsts" in Mexico. By 1524 the first hospital on the American continent, the Hospital de Jesus, was in operation and continues to this day. In his will, Cortes arranged for the perpetual endowment of this institution and stipulated that the patron and head of the hospital was to be a direct descendant of himself.

There has been some controversy concerning the establishment of the first university in the Americas. Was it in Mexico or Peru? In his book entitled "La Real y Pontificia Universidad de Mexico 1536-1865" Careno proves that Phillip II issued a proclamation on April 30, 1547 establishing the University of Mexico. The University of San Marcos in Lima, Peru was founded by the same king on May 12, 1551 (3).

In medical teaching there is also a Mexican priority. The University began medical examinations in 1553 and the Chair of Medicine was formally established in 1559. The Chair of Medicine was not established at the University of San Marcos until November of 1634.

Other Mexican "firsts" include the first leprosarium, mental hospital and government council regulating medical practice. The first medical text written and published in the Americas was "Opera Medicinalia" by Francisco Bravo. Members of this Academy will be pleased to learn that in 1591 Juan de Cardenas published a book entitled "Primera parte de los problemas y secretos maravillosos de las Indias".

The first caesarian section in the New World was performed by two Franciscan friars. Jose Ignacio Bartolache, a famous doctor and mathematician, born in 1739, established the first medical magazine.

Mexican Neurosurgery

In closing I would like to pay tribute to our Mexican colleagues by commenting briefly on the development of neurological surgery in Mexico. I am indebted to Juan Cardenas for this information. In reviewing the last 80 years of neurological surgery in Mexico Dr. Cardenas states that from 1890 to 1930 there

were no neurosurgeons in Mexico. Neurologists, such as Dr. Rafael Lucio, made diagnoses of brain tumor. General surgeons treated depressed skull fractures, cerebral fungus and other traumatic conditions.

In 1922 a young general surgeon, Dr. Gustavo Baz, who was one of the first Mexican members of the American College of Surgeons, went to the United States and Europe for post-graduate training in both general surgery and neurosurgery. He returned to Mexico in 1925 to practice general surgery. In 1930 he visited many neurosurgical services in the United States and Europe and following his return to Mexico carried out a large number of neurosurgical operations.

On the basis of this experience, Dr. Baz, who later became Minister of Health, sent as many as 500 people, including physicians, nurses, architects and engineers abroad to study not only medicine but the construction of new hospitals.

In 1945 many of the neurosurgeons present at this meeting returned from the United States, Canada and Europe after completing their neurosurgical training. Among these are Doctors Robles, Guzman West, Sanchez Garibay, Velasco Suarez, Ramon del Cueto, Juan Cardenas and others. These men founded neurosurgical services in hospitals as well as a neurological institute. They trained many other neurosurgeons and founded the Consejo Mexicano de Cirugia Neurologica which is the equivalent of our American Board of Neurological Surgery. It is apparent that neurosurgery has come of age in Mexico as it has in other countries of Latin America.

MEXICAN "FIRSTS" IN WESTERN MEDICINE

General Hospital	1524	Hospital of Jesus
Leprosarium	1526	Hospital De Tlaxpana
Public Health Service	1527	Mexico City
University	1547	University of Mexico
Medical Examinations	1553	University of Mexico
Mental Hospital	1566	Hospital De San Hipolito
Medical Textbook	1570	"Opera Medicinalia"-Bravo
Autopsy	1571	Dr. Lopez Hinojosa y H
Chair of Medicine	1579	University of Mexico
Medical Journal	1739	Jose Bartolache
Caesarian Section	1779	Franciscan Friars

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The author is indebted to Mr. John Connor and Mrs. Elizabeth Graham of the library of the Los Angeles County Medical Association and to Dr. Carl S. Dentzel, Director, and Mrs. Ruth M. Christensen of the Southwest Museum for their assistance in the preparation of this manuscript.



Lyle and Gene French



We've about passed through another winter up here in Minnesota, and it hasn't seemed to be such a bad one either. Guess this is because we've been so busy - maybe also because we've been away for a week here and there so the longness has been taken out. We enjoyed very much The Academy meeting in Mexico City -- this indeed was a pleasant experience. Also, John and Georgia Green did themselves proud with the Senior Society meeting in Phoenix, but they're sort of old pros at this. I remember when The Academy met there some years ago -- also terrific.

We have had some changes in our medical school. Our teaching methods have been modified because of a change in curriculum much as most schools have done. Our students all get a week of neurosurgery (mandatory) and many also come back for three weeks as an elective. They also get a fair exposure to medical neurology under A. B. Baker so time-wise they should come out reasonably sophisticated. I think, however, that their basic science has been so diluted (for many reasons, most of which do not relate to curriculum) that we get the students less prepared in neuroscience. I guess a few years will tell how good or poor a job we're doing.

We now have six full time (faculty) members in our department. Sometimes I wonder how we keep busy, but we do. In fact, we keep busier than ever! Our patient load has increased in size by approximately 10% every year for the past 10 years. This is our University Service and does not count the Veterans Administration Hospital nor the two county hospitals for which we are also responsible. They, too, are increasing in size. Also, we've been able to enlarge our research space and activities, by hook and by crook, so there's probably reason for our being busy even though it is hard to appreciate it in the every day hum-drum living.

Interesting cases - we've recently run into a series of patients with co-existing arteriovenous malformations or arterial aneurysms. I presume we've previously had similar situations but the aneurysm was overlooked because the malformation stole the blood so the aneurysm wasn't recognized; furthermore, our angiograms were limited to the vessel injected (we wanted only to delineate the malformation). Now we do extensive four vessel studies. I'm certain, in retrospect, that

two patients from whom I removed malformations and who had postoperative hemiparesis, which didn't fit with the location of the surgery, could each have had a small aneurysm that either bled or lead to vasospasm. Both of these patients eventually recovered from the hemiparesis, but I've heard one of them has subsequently died of a cerebral hemorrhage (this was six years after the malformation was removed).

The meeting in Prague was made more pleasant by those members of The Academy who attended, especially the Frenches, the Pools and the Schneiders. Lyle and Gene had planned to stay six days, but tried to leave after four. Lyle became more difficult to live with when the Czech tourist agency told him he would have to pay a \$150,00 premium if he left the country early.

American Board of Neurological Surgery 1970-1971



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T. B. Rasmussen



Hugo V. Pizzoli

The Academy continues to be well represented on the "Board"

William and Helene
Scoville



I am hoping The Academy continues its good intentions of ever enlarging the membership with all young men of promise, especially those of academic standing, for our prestige rests on those who teach, write and inspire even though we may prefer to drink, fish and joke.

Neurosurgery has come of age in all countries including the less developed and now has 4,500 practicing neurosurgeons with 41 national Societies, three societies of total continents, and one International Society.

Certainly it will be timely to develop an International Journal, for it is presumptuous of the United States to believe that this function can be carried out by The Journal of Neurosurgery alone. I am hoping those interested in forming such a journal will become vocal.

In April I attended The Cushing meeting which included exhibits from over 100 instrument companies. Instrumentation is both exciting and ever more complex. Microsurgery has revolutionized our approach to many lesions and the newest microscope spectacles and fiber optics have simplified the magnification and lighting needed. "Designs for Vision, Inc.", 40 East 21st Street, New York, New York 10010, has developed a most ingenious built-in lens up to 4 1/2 magnification with maximum focal distance up to 18 inches.

The Academy has kept abreast in its sharing with our foreign friends, first in Mexico, now in Cambridge, and later in Bermuda. I hope we may continue with other European and South American countries and would suggest the Netherlands as a future "sit in".

Several of us have just returned from Brazil and Uruguay where the papers and authors were most impressive, gathered from all points of the world.

We in Hartford are happy in sharing both old and new teaching programs with Yale and The University of Connecticut, which will keep us on our toes and urgently require more of us to share in this work, so please let us know of any particular stars you may know of.

Next year we open a new operating wing with two major and two diagnostic operating rooms plus a new monitored Intensive Care Unit of 12 beds so now the fault is ours when things go wrong.

Bill's international interests are well known, as is the fact that he has been editor of the Bulletin of the W.F.N.S. It would seem that he is the logical editor for an International Journal. However, it might prove difficult to give each country a quota to fill, and if this were not done one country might claim that another country is dominating the Journal.



William and Grace Eleanor
Loughheed



I always find as this time of the year comes along that I get behind in things that should have been accomplished. The spring has been a busy one - Grace and I have a married daughter graduating from University in the States and our second oldest, Bill, finishes first year University this year. The seminar of teaching starts next week and with two hundred and fifty medical students it makes it rather difficult to get very many things done.

I have had an interesting year working with the microvascular surgery and recently we acquired a TV camera and monitor to go on a diploscope so that it is much easier for the residents and visitors to see what is being done. This can be hooked to a video tape so as to make a constant recording and I find it very useful for the residents to tape their operations and then let them play it back and they can be their own critics.

Color TV cameras and tape recorders are becoming more reasonably priced. As Bill has indicated, this will play an increasingly important role in teaching - Errors in techniques would be embarrassingly evident, which should lead to more rapid improvement.



Charles and Ruth Drake



Ruth and I had a wonderful time in Mexico and would like to join with the other members in paying tribute to our host, Juan Cardenas, and his very lovely wife for the spectacular arrangements. The meeting had a very special significance for me since our own Dr. Gary G. Ferguson won The Academy Award. I was very proud of him.

You may be interested to know that John Drake is marrying the girl next door in June. Ruth and I are delighted, for Mary Beth is a delightful creature whom we have known all of her life, her father being the Chief of Ophthalmology, Dr. Charles Dyson. Incidentally, John will graduate in Law just prior to the wedding to be held on June 5th. Jimmy, a Princeton freshman, is to be best man. I may say that Jimmy is thrilled with that University even though I think he is being pushed to near his limit. As yet, he has made no commitment about his future.

Stephen and Tommy, 15 and 16, continue to grow up and seem to be awfully busy with their high school affairs.

Ruth is the President of the Maycourt Club, a form of junior league, and seems to be working harder and traveling more than any of us. We did manage to spend a delightful golf weekend, however, with the DeSausses in Memphis last September. Dick and I were hotter than pistols and managed to make a little money. I particularly enjoyed accepting a donation from Bill Meacham.

As you may know, the medical and surgical neurologists here at Western, after long discussion, have got together in a Department of Clinical Neurological Sciences which was established in July of 1969. There are two Divisions, one of Neurology and one of Neurosurgery, with all of us holding cross-appointments in our mother departments of Medicine and Surgery. We have felt strongly that it was time for medical and surgical neurology to get together for we have common interests, problems and goals and it was felt that we might be able to do more to further our game by this union.

There has been a great deal of interest across Canada, for, as far as I can determine, this is perhaps the first depart-

ment as such within a faculty of medicine in North America. We are constantly being asked about what is going on in the United States in this regard by the Canadian schools who are thinking about establishing such a Department. I have written to a number of my friends in the hope that they might be able to tell me what is known of this in the United States and in Great Britain. One of the major complaints of the Dean and Professors of Medicine and Surgery is the concern about fragmentation of their departments for they see Cardiology, Nephrology and others attempting the same thing.

The University Hospital is up and covered in but will not be handed over to the University officially until next May. It is scheduled to have it one-half filled by Christmas. All of us are looking forward to getting into the new unit.

I am excited by Sean Mullan's new wiring technique. I persuaded him to come up and put 15 feet of hair-like wire into a large, unclipable basilar bifurcation aneurysm. The post-operative angiogram showed it to be completely thrombosed without hurting the patient. The post-operative plain x-rays are spectacular with the coils of wire quite visible above and behind the dorsum sellae. I intend to do another case shortly.





Donald and Ellie Coburn

I recently attended The American Association of Neurological Surgeons meeting at Houston and was glad to see many long time friends there. I particularly enjoyed the oration by Dr. Wilder Penfield, my former Chief.

Ellie was not over at the meeting with me as we have a daughter in San Antonio and she and I both flew there first, and she stayed on to visit with her for a week and then I returned to San Antonio after the meeting.

We had been to Wichita, Kansas, where another daughter is, a couple of weeks before and also to a meeting of the American Cancer Society in Wichita.

I am still in solo practice and would look forward very much to being with a group for many reasons which are obvious. At the moment, nothing seems in the offing in that direction but I am hoping that before too long something will turn up.

I recently had a man on whom I had done bifrontal lobe biopsies in 1955 and the slides are still diagnosed as a Grade IV astrocytoma. The man was radiated with conventional x-ray at that time and had gone along very well until about three or four months ago when he began to have headache and some unsteadiness. A brain scan revealed a fair sized tumor in his right frontal lobe. In view of what he had had before, I did not re-biopsy it, but he was treated with Cobalt and promptly improved. I was just about to write him up as a 15 year cure by radiation of a glioblastoma, but someone held my hand and kept me from making a false conclusion.

I believe I put in my last letter that Ellie and I gave up our home in April of last year and moved into an apartment and after having been there for a year, we are both happy with it. At this time of the year here, the dandelions are becoming very beautiful but do not worry me a bit!



Augustus and Helen
McCravey



The meeting in Mexico City was very delightful, but was disappointing in the fact that many of the Senior Members did not attend. Our Mexican members and their Associates were excellent hosts. The program of folk dancing in native costumes at the University Club was most unusual, and Doctor and Mrs. Cardenas deserve a round of applause for this show. Bob Pudenz's Presidential Address on Aztec Medicine was excellent and most appropriate.

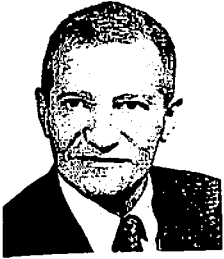
The McCravey's have gone through a year of frustration with two children applying for entrance to medical school. Both John and Martha will be going to medical school next year at The University of Tennessee in Memphis. We were told in Mexico that there are two hundred and fifty doctors' sons attending medical school in Mexico. Maybe there is something wrong with our system.

We are still trying to regain our lost youth by low calories and a strenuous exercise program.

We leave next week for Great Britain with the Temple University Medical Group for meetings in Dublin, Glasgow, Edinburg, and London; therefore, we will have to forego the meeting in Prague this summer.

We will be looking forward to seeing you at Tahoe this fall.

It is a moot question whether or not something is wrong with the system of medical education in the United States. There are a number of changes being made - hopefully for the better.



Joseph and Rita Ransohoff



My lack of response to the first request for a communication to the coming edition of THE NEUROSURGEON was indeed, not an oversight on my part, but rather an act of willful omission. I am not very facile at transcribing the lighter social aspects of my life as some of our more literarily gifted members. I always seem to end up contributing a rather serious document much like the annual report most of us have to submit to our deans or hospital administrations. This is not to say that Rita and I do not heartily enjoy life, but then I think that hard work and hard play pretty well characterizes most of us in neurosurgery.

This year's AANS Meeting, still fresh in my mind, seemed to me to have been the best yet and touched upon so many of the areas open to us for basic and clinical research in neurosurgery that it makes one proud to be part of the action. It is really almost impossible to encompass the developments occurring in such areas as pain, tumors, brain and spinal cord trauma, hydrocephalus and pediatric neurosurgery, not to mention the problems of our training programs and their relationships to the future needs of neurosurgery. Any one of these areas could justify one's total attention and yet, I am happy to see that I am not alone in my attempts to build a department which attempts to cut space in at least most of these areas. With the information explosion continuing at a rate of geometric progression, it is quite obvious that our future development will depend upon less and less generalization and greater in-depth training and expertise in specific areas of treatment and research related to the nervous system and yet with this development as an obvious necessity, one wonders how these aspects of a surgeon such as technique and judgment can be protected from the onslaughts of the superspecialist.

Perhaps, on the other hand, I should be writing concerning the impact of Health as a political issue on the field of neurosurgery. Perhaps I am particularly acutely aware of these relationships, living as I do in New York City, which is about five years deeper in trouble than the rest of the country, but the rest of you are attempting to catch up, unfortunately. Here we are with a magnificent new Bellevue Hospital nearing completion in our back yard and yet, the budget for the Health and Hospital Corporation of New York City being the football between

the City, the State and the Federal Government. Here we are struggling for funds for head injury, spinal cord injury, and brain tumor research centers and at the same time reading each morning that a number of hospitals may be closed in the Greater New York area and our own institution forced to carry an even greater patient load with our budget shrinking in the inflationary spiral.

The very bright young men coming into neurosurgery certainly augurs well for the future. The generation of new departmental chairmen sprouting up all over stimulates a real sense of envy on my part as I think they are entering into a period when the opportunities and challenges for leadership on all fronts will continue to provide wider horizons. Right now, for myself, I continually feel that there is not another synapse available for any additional information in my already overworked and outmoded computer. However, each day a little more gets crammed in, although I am certain that I am losing more than I am retaining.

At any rate, as can be seen from this rambling note dictated late on a Sunday evening, I am completely overstimulated, somewhat confused and yet very pleased to be a neurosurgeon and to be asked to contribute to THE NEUROSURGEON.

Finally, I do want to express my great sense of humility with which I accepted the position on the Board of Directors of The American Association of Neurological Surgeons representing The Academy. I know that I will have to work hard and long to maintain the level of achievement which our previous representatives have achieved in this important position. I can only say that I will do my best.

Joe's letters are always thoughtful and provocative. He raises two questions which will have to be solved by those influencing the trend of neurosurgical training. Should superspecialization be encouraged to the point that a neurosurgeon is specifically trained in one small facet and how will the training of "general" neurosurgeons best be accomplished in the light of a diminishing ward service?



Edwin and Helen Boldrey



In the first place, certainly we are all indebted to the fine hospitality of our hosts in Mexico. Those who missed that meeting were deprived of a most pleasant association as well as a scientific session of the highest order.

I am wondering if many of our group happened to see the issue of the magazine "Science" - the publication of The American Association for Advancement of Science - which came out just after our Academy meeting. The lead article, with a picture on the outside cover, discussed the pyramids which we visited during our stay in Mexico City. If you missed it, it would be worth while to look it up for it was a very interesting and informative review of the pyramids and of the civilization which was associated with them.

One other point about the meeting in Mexico City - this was the first one, to my knowledge, which was attended by none of the Founders of The Academy. I am sure all of us missed them and I am sure all of us also hope that this will not happen again soon.

And, turning from the Founders to the newly elected members, I want to join the rest of The Academy in extending a welcome to them. We are all looking forward to hearing of their contributions to the program and activities - the only way to have The Academy have any meaning at all.

I am certain that all of the membership is proud of the further achievements of Bill Meacham, the President-Elect of The American Association of Neurological Surgeons (still "The Cushing" to most of us), and, of course, all know that Guy Odom is the President this year of the same Society. Since this Association represents neurological surgery nationally, it is reassuring to have the executive office continue to be in such excellent hands. The same feeling of "being in good hands" applies to the Board with Guy Odom as Chairman, and Dick DeSaussure as Secretary.

We in the California area are particularly looking forward to the meeting close to our homes at Tahoe next fall under the capable local management of Ernie Mack. Any of you who have not had the privilege of attending a meeting which Ernie and

Bobbie have put on are in for a real treat. Lake Tahoe, earlier known as the "Jewel in the Sky" is still a lovely spot. The Boldrey's are looking forward to the meeting in keen anticipation.



Charles and Mary Wilson



This issue of THE NEUROSURGEON finds the Wilson's in their third year on the West Coast. Looking back over the past year brings many very pleasant memories of our new home in California.

First, the situation at the Medical School - I was joined in July by Buzz Hoff, who completed his training with Bronson Ray. Buzz spent the first six months with John Severinghouse in the Cardiovascular Research Institute, and in January of this year assumed his position as Chief of Neurosurgery at San Francisco General Hospital. Already he has won the admiration of students, house staff, and faculty, and without question he is a young man with a highly promising future in neurosurgery.

The second major addition to our Staff is Cone Pevehouse, who this past summer became Chief of Pediatric Neurosurgery on a part-time basis. He has made a tremendous difference in our pediatric service which had been a major weakness in our program.

Over the past two years, Ed Boldrey and I have built up a sizable brain tumor chemotherapy service. We had the rare good fortune to attract our first full-time chemotherapy fellow, Derek Fewer, a resident at the Montreal Neurological Institute. Ted Rasmussen let us "borrow" Derek for twelve months, and then by common agreement, this was stretched to 18 months. Derek is an extremely bright young man and will return to Montreal with a thorough base in laboratory and clinical aspects in brain tumor chemotherapy.

In May of last year we dedicated the Howard C. Naffziger Laboratories for Neurosurgical Research. This was a momentous occasion and it coincided with the granting of departmental status by the Board of Regents. As a department, we now enjoy

several privileges which were denied us as a Division of Surgery. If anything, this administrative change strengthened our ties to General Surgery, and our request for Departmental status had Burt Dunphy's strong support.

Mary was finally awarded her Masters Degree in Library Science from the University of Kentucky. She completed the required courses at Berkeley which in itself is an education. Mary is on the newly formed Tiburon Committee for the Environment and helped open a community recycling depot. She is in charge of volunteer staffing every Saturday. Perhaps we are so protective of our environment because we live in such a beautiful part of the world.

Becky, our 17 year old daughter, has been accepted at the University of California at Davis. Becky will major in agriculture and environmental science; at the present time, she thinks that she wants to be a farmer. She will spend the summer working as a waitress in Mt. Lassen State Park.

Byron, our 12 year old herpatologist and all-American, has decided to pursue a career in professional baseball. He thinks, talks, plays baseball seven days a week. He has an interest in other sports, but only because they keep him in shape during the "off season."

Craig, our 14 year old, actively pursues his hobbies of gardening and the stock market. He is very much in demand as a gardener in our neighborhood, and in this age of inflation he receives \$1.50 per hour working on an honor system.

We will take pleasure in welcoming The Academy to the West Coast for the annual meeting this Fall.

Pediatric neurosurgery is rapidly emerging as the first superspecialty mentioned by Joe Ransohoff. Time has been allotted to this group on the program of The American Association of Neurological Surgeons. This allows them to be identified as a group, but still allows all neurosurgeons to keep abreast of change and advance in this area.



Bennett and Doreen Stein



The highlight of this past year was my election to membership in The American Academy of Neurological Surgery. I am honored and pleased to join such a fine group.

Tradition was upheld for not only did The Academy select an excellent meeting site in Mexico City, but presented a first rate scientific program. We were pleased to join a few other members of The Academy on a short junket to Porto Vallarta, following the Mexico City meeting, to enjoy a few days of relaxation in the sun and surf.

Last year was an extremely busy year for me in terms of meetings. In addition to the Statewide meetings, I attended the Blood Flow and Pediatric Neurosurgical meetings in London and Versailles, and also meetings in Brazil this Spring, where I was pleased to spend some time with Bill Scoville. Next year portends to be even a more active year for I leave the Neurological Institute of New York, where I have been in training and in practice for the past twelve years, to take the position of Chairman of Neurosurgery at the Tufts-New England Medical Center. Both Doreen and I are looking forward to the move to Boston with great enthusiasm. Although this move is challenging and offers an exciting opportunity, I particularly regret leaving Dr. Pool's Service, since I have enjoyed his guidance and encouragement through my entire neurosurgical career, for which I am deeply indebted.

I have been extremely fortunate in enticing two superb individuals from the Neurological Institute to join me in Boston, Dr. Richard Fraser and Dr. William Shucart, who have both completed their training there in recent years, and are outstanding both in clinical and research aspects. All of the people in Boston have been most kind and supportive in this move. I am especially grateful to Drs. William Sweet and Tom Ballantine of the Massachusetts General who have extended their assistance and encouragement toward this effort.

In spite of the active academic schedule, I was able to spend a week with my family in my favorite relaxation of skiing in Northern Vermont and, although a recent rain had produced extenuating conditions, it was superb to partake of some energetic skiing. Of course, moving into the Boston area, this should allow us greater opportunity to engage in this Winter

activity. I was even more pleased with this effort since I became convinced of a complete recovery from my Achilles tendon rupture which had plagued me with its complicated infection for approximately six months.

Both Doreen and I are looking forward to the Meeting in Tahoe in the Fall, and renewing acquaintances of The Academy membership.

Congratulations on assuming the position as Chairman of Neurosurgery at Tufts-New England Medical Center! This will be a real challenge; however, with the support of other Academy members in the Boston area it should be a rewarding experience.

HOSPITAL ADDS NEURO SURGERY

The addition of two neurosurgeons to the staff of Naples Community Hospital, one as a consultant, was announced Tuesday by the administration, along with the news that an oral surgeon and a thoracic surgeon also have been granted staff privileges.

The expansion of four new doctors to the staff will make possible new services that in the past have had to be transferred elsewhere. One of the ap-

pointments, the granting of consulting privileges to Alfred Uihlein, M.D., will bring to Naples a neurosurgeon formerly associated with the Mayo Clinic.

Short biographies of the new doctors, released by the hospital, are as follows:

ALFRED UHLEIN, M.D., was granted Consulting privileges in Neurosurgery pending his arrival in January, 1971. He was born

in Milwaukee, Wisconsin and received his M.D. degree at Johns Hopkins in Baltimore, Maryland. Dr. Uihlein enjoyed a fellowship in General Surgery at Mayo Clinic in Rochester, Minnesota and several assistantships in Neurological Surgery there from 1938 to 1943.

Dr. Uihlein was an instructor in Neurosurgery at Mayo Clinic in 1943, an assistant professor of the Mayo Foundation at the University of Minnesota in 1949 and a clinical professor of neurological surgery of the Mayo Foundation at the University of Minnesota in 1966.

He is a member of the American College of Surgeons and is certified by the American Board of Neurological Surgery.

Dr. Uihlein will restrict his practice to consultation on neurological procedures upon his arrival in Naples.

Although Al didn't write this year, we can keep up with him through the NAPLES STAR.



Eben and Betty Alexander



When our present students talk about "relevance in education", I think back to my own college and medical school days when I failed to have any instruction whatever in the problems of workmen's compensation, whiplash injury, financing of medical buildings, governance of medical staff, estimation of future manpower needs in neurosurgery, and an abundance of other problems.

I believe the essence of the matter is to pick people who are versatile and adjustable enough that they can educate themselves to new problems as they come along, since that is very much what we are doing now.

It does seem to me that we in the field of neurosurgery have a real opportunity to estimate what our needs are going to be over the next 10 or 15 years in training manpower and perhaps our part in hospital governance and in units within the hospitals.

I hope to be thinking seriously about this matter and try to prepare some sort of paper on it from the standpoint of future needs. Perhaps many have read the interesting paper which appeared in the April 9, 1971 issue of SCIENCE, by the Chancellor of New York University, Dr. Allan M. Cartter -- "Scientific Manpower for 1970-1985." Dr. Cartter long ago predicted the surplus of physicists and chemists which we now have, and he gives a very factual sort of an estimate of what is going to be required for the future. A person like this might help us a great deal in considering the areas related to our own specialty.

I am delighted that neurosurgery now has a real part in the AMA with its new Section on Neurosurgery and our representation. It is important that all of our colleagues get behind this and make it go, since, unless we do make our voice heard, we will not be able to influence the field of medicine as we think it should be, and we certainly will have no reason to complain if it doesn't go the way we think it should.

Neurosurgery in general, and the JOURNAL OF NEUROSURGERY in particular, has been most fortunate in having attracted our fellow-member, Henry Heyl, to the editorship of the JOURNAL OF NEUROSURGERY. Fortunately, he is now going to be able to give

us full time as editor, having turned down some other very inviting jobs since he is retiring as Professor of Anatomy at Dartmouth. The JOURNAL will be able to move forward at a new pace with Henry, and, of course, with Dr. Ward now as Chairman of the Editorial Board. We can all wish them well and offer any suggestions regarding this wonderful form of communication and how to improve it.

Eben and his colleagues have put in a great deal of work to organize the section on Neurosurgery of the AMA. It deserves the support of all Academy members.

Since the time allocated to Neurosurgery seems to have been greatly reduced in the curriculum of most medical schools, maybe this time can be recaptured by a course on Socio-Economics of Neurosurgery.



A man for all seasons



Kristian and Brit
Kristiansen



Brit and I are sorry that the distance between Norway and the U. S. A. prevents us from attending the annual meetings of The Academy, but THE NEUROSURGEON is a most cherished bond of union which keeps us abreast of more important news. We always appreciate seeing our American Friends at the meetings of the Scandinavian Neurosurgical Society, the last taking place in Stockholm in August of 1970 with Lars Leksell as host. It was followed by the Symposium Neuroradiologicum in Gothenburg, a congress of the greatest interest for neurosurgeons and admirably arranged both with regard to scientific and social programs by Ingmar Wickbom and his Associates.

Our staff in the Department of Neurosurgery at Ullevål Hospital has been reinforced through the appointment of Dr. Steen Flood as pediatric neurosurgeon. The number of patients with cranio-cerebral injuries is increasing rapidly with a consequent heavy load of emergency work and daily discharge problems. We are fortunate to have close cooperation with an excellent rehabilitation hospital of 200 beds. Our joint efforts in this field will be presented at the International Symposium on Rehabilitation in Head Injury at Gothenburg next September.

Brit and I spent a delightful Easter holiday with friends in Southern France, enjoying the scenery, the old cities, modern art and "la cuisine provençale". We are now preparing for the European Neurosurgical Congress in Prague where we hope to meet friends from overseas.

Grandchild number four (Mette's boy number two) arrived last October. Kari and Mette and their families are all happy, and Kristian, Jr. is working as an engineer in CBC, Montreal. We hope he may find a job in Norway before too long.

Kris and Brit were a welcome sight to those members of The Academy who attended the meeting in Prague. Among other things, they held a brief seminar on the proper way to drink Slivovice, the strong local drink.



Joseph and Hermene Evans



My retirement occurred at the end of September, 1970 and Hermene and I are currently in Cuernavaca doing two months of intensive conversational Spanish with the expectation of going down to Columbia in November of this year, probably for a year at least.

Some of you readers will recall that our daughter, Caroline, lives there, which, of course, is a considerable inducement for us to make a protracted visit. But another primary objective is to try to understand more of the problems of the Foreign Medical Graduate as seen from the other side of the fence. Columbian manpower data are among the best in the world and if calm can be restored to the University, I am hopeful that I may be able to contribute something further to the serious problem that Eben Alexander asked a group of us to look into some years ago.

Enough for the moment. The brevity of this response will make up in part for the long-winded reply I gave a year ago. I would only add that as one grows older, a warm friendship established in The Academy comes to have more and more significance to me, and I suspect to each of us.



Apologies to Wally for omitting his letter last year. It is printed now with his current letter.



Wallace and Eleanor Hamby

May 15, 1970

Since our dinner meeting in New York at the International Congress of Neurosurgeons, my professional activities have been limited to writing a short resume on Ambroise Pare for SCIENTIFIC BIOGRAPHY and talking on Intracranial Vascular Surgery at the annual meeting of the Florida Neurosurgical Society in Hollywood (Florida) recently.

After the Washington meeting of The American Association of Neurological Surgeons I brought a lovely lady down from Ossining, New York and we were married here on April 30. Eleanor and I are happy in our new lives and I will bring her with me to meet all of you at the first opportunity. She is another of us ambitious but un-natural athletes, but she is gamely trying to learn to swim and to play golf so that she can add these activities to those that come naturally in this retirement heaven.

March 19, 1971

Little noteworthy has occurred this year, except for a little travel - a visit in June, 1970 to Carmel and Carmichael to visit my daughter, Marcia Calavan, and to see beautiful Oak Creek Canyon Arizona again. We also drove up to Cleveland and Buffalo to visit Ellie's daughter there. We had a chance to enjoy the New England autumn foliage, then back here to bask in our lovely South Florida winter. A sudden call to Niagara Falls for a trial this month let us reactivate our antipathies to northern winters - four days was more than enough.

We continue to enjoy our sloppy golf play, and I am involved in working up a family genealogy, which is a fascinating detective pursuit. We fly to London and the continent in May to check on such things there.

I hope that all of you are enjoying your work as much as I did. Surgery through the microscope must be wonderful. I saw too little of it to get personally involved in the last of my practice.

Sorry we couldn't have met with you in Mexico. I am sure that the meeting was splendid and the country is a pure delight. Do give us a ring when you come this way - this invitation is for all of you Academicians.



Henry and Kit Heyl



After the Mexico City meeting, Kit and I joined Sim and George Maltby for a luxurious loaf in the villa of a friend of theirs in Cuernavaca. Sun, blue sky, bougainvillease, poinsettias, private pool, and views of both volcanoes were constant features in our garden. Maids, a cook, and a gardener tended our creature comforts. All in all, it was a dream come true, if only for a week.

Our Vermont winter broke all records for snow and cold and we finally fled the scene in April for a week's vacation with Betty and Eben Alexander in Winston-Salem. Everything was at its best including the Alexanders and we returned to our bleak homeland full of warm southern memories.

I become officially Emeritus at Dartmouth on July 1, 1971 and our friends have been doing a number of nice things for us - ranging from a gift of a fly rod and a special cake shaped like a brain from my last class on the nervous system to a delightful dinner by our old faculty friends and colleagues. We refuse to believe that we are that old. Although I will stop teaching, Dartmouth has cordially invited us to continue to have the editorial offices of the Journal of Neurosurgery here so that will continue on a full-time basis.

Now we are looking forward to seeing you all in Ernie and Robbie Mack country this September.



Aidan and Mary Raney



I was so glad to see so many of The Academy members in Houston and sorry about missing others who were there. Unavoidable circumstances made it necessary for Mary and me to leave the meeting early.

I thought I might summarize a couple of interesting cases, but changed my mind because I didn't want any of the members to read my case reports and thereby use up what little precious time is left after the essential obligations of the day are met. It seems to me that there is not enough time for the practice of neurosurgery, golf and other essential pursuits after one spends the necessary time with organization, utilization, incorporation and implementation of health care and all of the other recently arrived demands on one's time.

Mary and I are looking forward to seeing all of you at the meeting in Tahoe in September. We are spending as much time as possible doing one-arm push-ups so that we will be able to have a good go at the slot machines.

With best wishes to everyone for a most enjoyable summer.



Howard and Dorothy Brown



We have been rather busy in the process of moving our offices recently and now have a very comfortable suite in a brand-new building at 2001 Union Street, San Francisco. We were able to design our own offices as the building was under construction, and thanks to our mechanical genius and partner, Cone Pevehouse, we have all of the latest gadgets at hand to make life in an office as comfortable as possible.

We have just completed a neurosurgical seminar course under the direction of Charlie Wilson, and were fortunate enough to have Eben Alexander, Bill Feindel, Bruce Hendrik and others from about the country who participated in this very excellent presentation.

Charlie plans to have more of these and I think they are certainly advantageous for our training staff as well as all of the rest of us who have had the good fortune to attend.

We are all looking forward to seeing The Academy members in the West this Fall and I am sure that this should be a very wonderful meeting. Ernie Mack is going all out to see that we have the best of everything in the Lake Tahoe area, and certainly those of you who have not been there will be delighted with the beautiful mountains, lakes and other scenic wonders that are at hand.

I do not have any other exciting news to report, but we have all been busy and happy in our association here and particularly in our new quarters.



George and Lari Ehni



Concerning the yearly report, I may say that Lari has become enthusiastic and evidently skilled in art forms not heretofore well known to me, such as stitchery, macrame, and Potawatomi weaving. She has been entering and arranging shows in this area for a local department store, Rice University and in several cities, and has picked up some ribbons and awards.

My oldest son, George, is in Dallas employed by Texas Instruments. Lacking issue, he and his wife rebuild old Jaguars. Margo, my next eldest child, also lives in Dallas and has come through with my only grandson, Grady George Goodwin. Bruce has just graduated in engineering at the University of Texas and is staying on in some advanced degree program in bio-engineering. Nikki, an art major at Beloit College in Wisconsin, is home for the summer and has taken over my shop as her studio. Brian, who did not distinguish himself academically as a freshman Aggie, was adjudged the best drilled "Fish" in his outfit and currently is up in Owatonna, Minnesota working for his grandfather at the Owatonna Tool Company. Melanie, who is an excellent student in high school, is very much interested in baseball, which she plays well, and also in Scouting. She intends to divide her summer between a visit to Colorado and another to Cuernavaca with a troop of Girl Scouts. Scott, who is still in grade school, is mainly interested in athletics and a new 22 rifle he got for his birthday. So far, shooting this at a target in front of a bullet trap in the basement has worked out rather well. So far as I know, it has not been shot at anything in the trees outdoors.



Donald and Betty Dohn

As the song goes, "It was a very good year" for the Dohns. The highlight was a foreign clinical tour which the Clinic makes available to members of the staff after ten years. I was able to attend the joint meeting of the British and German Neurosurgical Societies held in Cambridge. After the meeting, I made clinical visits to London (V. Logue), Copenhagen, Colmar, Zurich and Marseilles.

I had a pleasant surprise when I ran into Sam Snodgrass in the Surgical Suite at Queen Square, and we all had another when we saw "young" Richard DeSaussure touring Westminster Abbey. It's good to be able to report that Palle Taarnhoj, whom many of you know, is making a remarkable recovery from his paraplegia (postoperative for thoracic disc). He works a full schedule and has even resumed his hobby of gliding.

It wasn't all work, however, for we had some interesting side tours including a trip to Rome and Florence, and some time in the Alps where our two boys attended a French ski racing camp. Our daughter, Debbie, spent one month in Colmar, France, with a daughter of Jean Baumgartner. He, incidentally, has had a large experience in the use of "Dimer", a non-irritating, water soluble contrast medium for myelography. I have tried it in a few cases and found it quite promising. It has a contrast appearance similar to Thorotrast or Abrodil. It does not require spinal anesthesia.

Our unit has continued to have a very active clinical load. We have established a Section on Spinal Surgery to emphasize John Collis' special interest and expertise in this area. We are planning a Postgraduate Course on Spinal Surgery in December.

Phil Gildenberg, having completed his thesis, had his Ph.D. conferred this past year. He now heads the Section on Neurosurgical Research. His present research effort has been in collaboration with others in the Cardiovascular Research Section in an attempt to identify in the brain the site of action of Angiotensin.

Betty and I very much enjoyed the Mexico meeting, particularly the delightful hospitality of our Mexican hosts. Juan

Gardenas and his committee deserve a vote of thanks for their work and planning. Incidentally, we can recommend the Island of Cozumel off the Yucatan Peninsula for a side trip.

See you all in Reno!



Ted Rasmussen and daughter



Theodore and Catherine Rasmussen



The excruciatingly painful introduction of Medicare in the Province of Quebec last November the 1st has disrupted all of our schedules very badly. Some of the growing pains are beginning to quiet down, but there remain a good many problems yet, and I am afraid there will be still some time before a reasonably smooth running and satisfactory situation is finally arrived at. Despite all the problems, however, the Institute has had a busy and productive year.

Our plans for the addition of a new wing, which were in the process of being implemented last spring, are still stymied by the Provincial Government, but signs of progress are beginning to appear once again and we hope that the necessary approval of our preliminary architectural plans will be forthcoming in the not too distant future.

The attached photograph indicates a much more pleasant interruption in our ordinary activities - the marriage of our oldest daughter, Ruth, to Jim Coleman of Nova Scotia, on May 15th. They will be living in Halifax where Jim, who has just graduated in Business Administration, hopes to be going to Law School. Ruth will be going to school also completing her final year at the University.

As the debate on National Health Insurance in the States grows more heated, we should learn what we can from our Canadian friends. They probably have suggestions as to how we can "live" with the regulations and red tape.



Benjamin and Margaret
Whitcomb



Our great regret was missing the meeting in Mexico City, but this year will be a must since my colorful partner is President and I must be sure he gets there.

The first six months of this year have been very eventful. Aside from the usual medical meetings, we spent a tour of duty on the Ship HOPE in Jamaica (Kingston-not Montego Bay). This was indeed a most interesting experience and a great pleasure to work with Andrew Masson whom many of you will remember attended the 1967 meeting at Key Biscayne with Bill Keith. Masson is the Professor of Neurosurgery at the University of West Indies and extremely capable, but it is somewhat difficult to do the teaching, administration, run the clinics and operate with no backup. The case load was somewhat different than I am accustomed to. There are no ruptured discs, but quite a number of spinal arachnoiditis, probably principally luetic, which seemed to respond-dramatically to steroids even in late stages. The brain tumors were weighed more toward meningiomas than gliomas, and the head trauma had a fairly high incidence of machete wounds. Diagnostic and operating facilities were excellent on the ship and also at the University.

Following The Cushing meeting, Peggie and I had the pleasure of visiting Wes and Jenny Gustafson down on the border at their beautiful home and citrus grove. They are quite a team even outside of neurosurgery. Wes is a talented and tireless farmer and Jenny a most capable businesswoman. As many of you know, Wes has now retired, and they are planning to move probably to Florida to be closer to their family and to other Academy members who may saunter South in the wintertime with their golf clubs.

For recreation, we have placed a couple of grandchildren with their parents in Colorado and find it necessary to see them during the ski season. I wish Al Uhllein would pick the same time so we could have a few runs together.

Hope to see you all at Lake Tahoe!



John and Shirley Hanbery



In April Shirley and I spent a most enjoyable month in the Eastern Mediterranean area. The trip had been planned by The Committee for Art at Stanford. Thirty-three people went along on the trip. The purpose of the trip was for the study and appreciation of Hellenic Art. One of the Stanford Professors of Archeology accompanied us on the journey so that we were really tutored every step of the way.

Two weeks were spent in Greece. In addition to visiting all of the wonderful sites in and about Athens, we had a five day tour on the mainland and also a voyage among the Aegean Islands. We spent one week in Western Turkey, visiting many of the sites of ancient Hellenic civilization.

Our final week was spent on the Island of Sicily visiting ancient Greek sites along the entire coast of the Island from Palermo to Catania. The highlight of the trip for me actually was being able to witness the volcanic eruption of Mt. Edna. We were able to hike some distance up the mountain side right to the lava flow.

It was a memorable journey for both of us and provided us with an opportunity to see a portion of the world we had never visited before.





John and Lorene Raaf



July 1 just passed and a crop of new interns and residents has arrived at our hospital. Perhaps there aren't quite as many fuzzy headed and frizzy faced ones this year -- none on neurosurgery. I'm not quite certain what I would do if one did come on our service, but the "Peacemaker" is always loaded. One neurosurgical resident, Tom Dietrich, whom many of you met at The Harvey Cushing meeting in Houston, finished this June. Tom has moved across the river to start practice in Vancouver, Washington, so the number of neurosurgeons in the Portland area continues to increase. Recently I reviewed an article which will shortly be published in the Journal of Trauma. The article discusses the organization of neurosurgeons in case of catastrophe in the Philadelphia area. It is interesting to note that the number of neurosurgeons per million in the greater Portland area is approximately twice the number as in the greater Philadelphia area, the latter being one of the cradles of our specialty. The price one pays, I suppose, for living in Heaven is that someone always wants to live there too. Lorene and I just spent a long weekend with friends at Black Butte Ranch near Bend. That is certainly beautiful country and developing into a great recreational area.

Crooked Riffle Lodge rehabilitation is progressing, although not as rapidly as I hoped a year ago. There seems little doubt that things will be in order for resumption of the annual meeting of the Rogue River Neurosurgical Society this fall. I anticipate we will convene immediately following The Academy meeting in Lake Tahoe. We will try to have river and weather in the most favorable condition to conduce a good run on steelhead at that time. Whether the meeting will be stag or will include wives depends upon how many wish to attend and how many beds we can make up by that time. Anyone interested please write to me.

Our daughter, Jean, and granddaughter, Margot, have just returned to California after visiting here with us for two weeks. They are now preparing to depart in August for Poughkeepsie where Jean's husband will be teaching at Vassar this next year. John, who is a resident in surgery at the Massachusetts General, and family will spend the month of September with us. Lorene and I are looking forward to our annual fishing trip to Redfern Lodge in Northern British Columbia next month. Unfortunately, Jack Murdock, co-founder of Tektronix and one of the owners of

Redfern, was drowned in May when his float plane turned over in the Columbia. We flew with Jack a good deal. He was an excellent pilot and great fun. We have had a rather wet, cold spring and summer so we haven't limbered up the double scull yet, but hope to before long.

Our hospital is being remodeled and at present is extensively torn up. We have new X-ray, Isolation, and Pathology Departments and hopefully some of these days, new Surgeries. In the meantime, we try to ignore the inconvenience and do business as usual. Sometimes one wonders about the advisability of remodeling an old hospital. St. Vincents of Portland built a new hospital some distance from the old one, and in January moved out of the former St. Vincents completely. They certainly have a new and beautiful physical plant.

Hope to see all of you this fall!



John Raaf and Wesley Cook



John Raaf and



Guy and Mataline Odom

I have just returned from my last Council meeting of the NINDS, leaving Bronson Ray to protect the interests of the neurosurgeons. This meeting was again very disheartening because of the shortage of funds. It is estimated that approximately \$15,000,000 in research grants will be approved, but unfunded this year. The training grants are in a worse situation. The NINDS staff seemed to think that more money will be available in the Fall which may help to bail out a number of applications with very good priority scores. The application for Research Spinal Injury Centers came in too late to be considered at the Council meeting, and will be reviewed during the summer and selection will be made by the Research Subcommittee rather than waiting for the next Council meeting in November. This is being done in order to fund these centers as soon as possible.

In May a special meeting of The American Board of Medical Specialties was called to discuss the expansion of the Liaison Committee on Medical Education as advocated by the AMA and the AAMC to take over all areas of medical education. After the meeting was called to order, it was announced that the Board of Trustees of the AMA had decided to table the matter and, therefore, the problem has been dropped for the present.

Two of our distinguished members are in line for congratulations! The Warren Record has announced that Frank Mayfield is to receive an honorary degree from the University of Cincinnati. Barnes Woodhall has been selected to receive the Annual Statesmen in Medicine Award as one of the country's most distinguished medical educators. He will be honored at the Annual Award Dinner on September 21, 1971 in Warrenton, Virginia. It is really great to see our distinguished older members recognized outside of the medical community.

I thought the meeting in Mexico City was great, and we are looking forward to seeing everyone at Lake Tahoe in September.



NEUROSURGEONS IN THEIR CUPS





Gale and Marion Clark



The high-light of the year for me was to be elected into membership of The Academy because I like the fellows who are in it.

A big chore this year was to collect and arrange a program on Brain Tumors for the Western Federation in San Francisco in February. There were fifty-four papers and mountains of correspondence but it turned out to be a good three day session. Bill Sweet, Dr. Kernohan, Hunter Sheldon and Ed Boldrey gave it quality. Charlie Wilson and Paul Crandall gave it impetus.

I remain a sailor who is refusing administration and I am teaching at the University of California on a regular schedule. I have been helping teach neuroanatomy for nineteen years now. Four years of that was at Harvard with Dr. Yakovlev and I certainly cherish his discussions on the limbic system. Neurosurgery rounds at Cal start at seven thirty in the morning and I have to think that I am going fishing to get up so early as to be there on time. I am still doing some studies on gas emboli in the dog brain and am studying the gross infarction with various air helium oxygen mixtures. We did a few under Lucite Calvariums last year.

Now I am trying to put some other data together for a paper on two cases of post-traumatic hemispherectomy to present to the Western Neurosurgical Society in Colorado Springs in the fall.

After The American Association meeting in Houston, Marion and I went to Hawaii to spend a few days with my daughter at Haleakala National Park. We enjoyed snorkeling at the Sheraton Maui Hotel Beach but the surf was too high for us at Hana.

Our oldest son teaches oceanography in Monterey and our youngest, who graduated from the Naval Academy in 1970, is an Ensign on the destroyer U. S. S. Mahan out of San Diego. He was captain of the track team at the Academy and is still in disgustingly great shape. Marion is a docent in the Art Department of the Oakland Museum and volunteers one or two days a week. I cheer for the Oakland Athletics.



Hans and Karin Diemath



First of all Karin and I would like to thank our colleagues for electing us to membership in your famous American Academy of Neurological Surgery.

We both remember very well the time during 1959 and 1960 which we spent in the States, mostly at the Johns Hopkins Hospital. This time was not only of medical and scientific benefit but we made many lifelong friends.

It is always a great pleasure to have friends and colleagues from the States visit us in Salzburg.

After returning from the States in 1960, I spent some time in the Service of the Department of Neurosurgery of the University of Graz with Professor Heppner. During 1966 I was elected chief of the newly established and now very modern neurosurgical department of the General Hospital in Salzburg. My family and I have lived in Salzburg since 1968.

Our neurosurgical department is responsible only for patients of the city and county of Salzburg and also parts of the surrounding counties and districts of Bavaria. Our service includes all aspects of Neurosurgery including discs, all spinal surgery, traumatology, tumor surgery as well as stereotaxic and functional surgery. We have 40 beds which are looked after by three neurosurgeons besides me, two rotating residents, and one neuroanesthesiologist. There are three operating theaters for conventional neurosurgery and one operating theater for stereotaxic surgery only.

We are happy about the interest our friends and colleagues from the States have taken in our department and work and we like very much to exchange our experiences and to gain new aspects by finding our results satisfying or to be improvable.

Now we really have settled in Salzburg. In a little village called Aigen we bought a house in a distance of 5 km to the center of the city and of 9 km to the hospital. There we live - Karin, my wife; Karen, our daughter who is 13 years old; Hans Peter, our son who is 9 years old; and me. However, in the last month our family has increased - a German boxer baby, 14 weeks old - keeps us all busy. Karen visits Grammar school in

the third year and is very good in athletics. She has become junior champion of Salzburg. Hans Peter still attends Elementary school. He likes to eat very much. Both are quite good skiers and like to swim. These are their hobbies.

Salzburg is surrounded by lakes, mountains and even glaciers, so we can swim, sail and ski. This summer we are planning a trip with a motor yacht in the Adriatic Sea. Feelings about this voyage are mixed. Karin is very pessimistic because I am the captain.

We are looking forward very much to seeing many of our friends at one of the next meetings of The American Academy of Neurological Surgery. We would be happy to see them on any occasion in Salzburg.

In 1969 and 1970 I was President of The Austrian Society of Neurosurgery and since that time the Congress of The Austrian Society is held every second year in Salzburg. This usually is in October (next in 1972) and I hope you will use this as an opportunity to visit us in Salzburg.

We are looking forward to seeing many of you.



Kemp and Fern Clark

The hot Texas summer has interfered with no activity except my own. The air conditioning system in one of our buildings at the medical school is broken, and as this includes my laboratory, it looks like a hot and rather unproductive summer.

Fern has been visiting her mother in South Dakota with one of our children, who elected to stay there for the summer with her cousins. We are planning a vacation just before the meeting of The Academy. As one of our daughters will be going to school in California, we have decided to drive her out and take a little time in Pebble Beach prior to the meeting.

We look forward to seeing everyone there.



Ernest and Roberta Mack



This has been a very busy year for Bobbie and me, and I want to commence this note with remarking about what a lovely time we had in Mexico City, how delightful the meeting was and how splendid the arrangements. We have fond memories of our pre-meeting tour around the old colonial cities, and as a result of some sketches made on that trip we have a couple of watercolors which decorate various parts of the house.

We are now busily engrossed in making certain that the arrangements will be satisfactory at Lake Tahoe for this year's meeting, and we certainly look forward to meeting all of you again. We hope we will be able to provide you with an excellent social and scientific get together. You have by now received some of the notes relative to the meeting, so I will not go into that again at this time.

We were delighted to welcome our first grandchild this spring, a wonderful little girl named Heidi, who will be living in Las Vegas and who is a joy to all of us. Also in June our second daughter, Sandy, was married to a very charming young man, Glenn Holloway. Since he is an expert hunter and fisherman, interested in horses, he makes an excellent son-in-law for me. I have been very lucky to acquire two such fine sons-in-law, one who is a low handicapper at golf and the other who enjoys the outdoors as much as I do. So I now have the sons we did not have the good fortune to have at some earlier date.

The Medical School at the University of Nevada is now a reality and will commence its first class in September. While it is starting with a two year school, it is amazing to note that for the first 34 places which were being offered there were over a thousand applications. This will give some indication of the relative positions of medical education and the number of people desiring to enter this profession, even during these troubled times. Our hospital, which will eventually be the major teaching hospital for the school, is progressing satisfactorily with the lovely new 17 million dollar addition. This will open in approximately a year.

The AMA meeting this year was, I thought, quite successful and this is opening a new vista in neurosurgery in relation to contact with the general practicing medical group, and I think

giving us an opportunity to present to them information which is otherwise difficult to bring to them. We have had excellent cooperation from our program groups, and look forward to an interesting presentation next year. It is, I think, a step forward that neurosurgery has become a prominent and active part of The American Medical Association.

B. and Indira Ramamurthi

The last year has been full of excitement and activity. Moving house is always full of thrills and moving into a new Institute was found equally adventurous. The Institute of Neurology is in a compact seven floor building on the campus of the Madras Medical College (the oldest medical school in India: 1835) and has 106 beds both for medical and surgical neurology. Other ancillary departments like Neuro-pathology, Neuro-chemistry, Clinical Neuro-physiology and EEG, Psychology, etc. are in the same building. This "togetherness" helps greatly in the progress of work though sometimes as in family life this could be irritating. But such occasions are rare and progress has been good.

The 20th Anniversary of the Department was celebrated at the new Institute. The Neurological Society of India was invited to hold its 20th Annual Conference at the same time. Thus it was a gala occasion with most Indian Neurologists and Neurosurgeons attending the meetings along with many others from abroad. The booklet embodying 20 years experience of neurology and neurosurgery in Madras was released at this time. I understand that this makes interesting reading. Ernie Sachs has been generous in reviewing this booklet in the JOURNAL OF NEUROSURGERY of July, 1971.

Soon after came the invitation from Edinburgh as a visiting Professor at the University. John and Judy Gillingham are perfect hosts and it was a most enjoyable two months which Indira, Ravi and I had at Edinburgh. In addition to taking part in the routine work of the department it was a great experience to observe and participate in the postgraduate teaching, and to attend the meetings of the Royal College of Surgeons. Edinburgh is lucky in its history and in its present day men who make history.

Returning to the dust of battle in July, the home-coming was warm with all its challenges.

Dean and Fran Echols

Does anyone want a locum tenens for May 1, 1974? Age 70 is retirement time at Ochsner Clinic. If my health is still as perfect as it is today, what shall I do to keep busy? Perhaps Jess Herrmann or George Baker could use a farmhand. At any rate, I would like to try something totally unrelated to Medicine. Suggestions will be appreciated.

For those who remember our three children, Dean is a resident in E. N. T. and unmarried. Cynthia is married to an attorney in West Hartford, and has a son aged ten months. The older daughter, Barbara, still lives in New Orleans and has a marvelous girl aged eight. Barbara was recently married for a third time. Since the first and second husbands were physicians, some of the female readers will express some sympathy. Her new husband is a ship builder who is never late to dinner and is always free on Saturday and Sunday.

My amazing wife joined a real estate firm ten years ago and has been having a successful career ever since. Now she has even more time for this because we recently sold our long-time residence and now look down on it from the top floor of an apartment building which is two blocks away. My gardening is now limited to spraying roses and trimming hedges at my son's house.

We are especially enthusiastic about the coming meeting of The Academy with Bobbie and Ernie Mack because we have seen so few of you since the meeting at the Camel Back Inn in February. Even there, we were staying with my younger brother and his wife who have retired to Scottsdale. Fran and I played golf with them daily when I should have been listening to the speakers. We hadn't played golf for many years, but it's amazing how one never forgets how to be a duffer.

The Ochsner Clinic and Hospital continue to grow, and I enjoy operating. However, I gave up aneurysm surgery on my 65th birthday.



John and Georgia Green



Juan Cardenas did a splendid job as host and coordinator of the last meeting of The Academy in Mexico City. Georgia and I both enjoyed our time in Mexico greatly. The scientific and social aspects of the program will be hard to match in the future. Following the meeting we had a few enjoyable days at Puerto Vallarta.

After returning home we resumed a pretty busy schedule. Within the Barrow Neurological Institute, the direction of the Division of Neurological Surgery and its training program, the coordination of the other divisions as Chairman of the Institute, the problems of obtaining community support through our Foundation, and of maintaining healthy relationships with the Medical Center and region are quite an order. It appears that our service will verify 200 tumors this year. As a unit we are engaging heavily in the problems of acute spinal injuries both in the clinic and research laboratories and have hopes of establishing this as a model of cooperative effort and then extend this gradually to other areas of neurological surgery. The regional approach, I believe, will be the answer in the more specialized areas of neurosurgery. We are working together for the development of a clinical research center in spinal injury. Dr. Robert Goodkin will join us on July 1, 1971 after six years in Joe Ransohoff's NYU program including one year as NINDS trainee in the Milbank Research Laboratory with Pete Campbell working in the field of spinal injuries. His capabilities will be a supplement to the very effective work by another Associate, Jim Atkinson, who directs our Neurosurgical Research Laboratory. Jim and I were both pleased that The Academy honored him with membership in 1970.

Georgia and I arranged the 1971 meeting of the Society of Neurological Surgeons at the Camelback Inn in February. The Academy was well represented in this group, particularly by its President, Guy Odom, and his charming Mataline. While in Phoenix at this time I had the opportunity to put on a tour of the Barrow Institute and to visit with a number of The Academy members who were so very helpful to me with their counsel and experience in its formulation. A picture of this group is included.

The Federation of Western Societies of Neurological Science held its annual meeting in San Francisco in March. Many of The Academy members from the West participated. Bill Sweet was a

guest speaker. I completed my two-year stint as Chairman of the Board of Directors (1969-1971).

April brought The American Association of Neurological Surgeons meeting in Houston. It turned out that Georgia and I were quite preoccupied at that time with putting on a banquet at the River Oaks Country Club in Houston, courtesy of Jim and Mary Greenwood, in honor of Eric Oldbery in connection with his retirement from directing the neurosurgical programs at the University of Illinois and St. Luke's, Presbyterian - St. Luke's Hospitals for forty years (1931-1971). I edited a commemorative volume as an appreciation and include pictures and vitae of him, some of his associations with Harvey Cushing, and of almost all of his trainees beginning with Jim Poppen in 1931. This was a labor of love, but I was very happy to be able to do this.

During April the Arizona Medical Association re-elected me as Editor-In-Chief of Arizona Medicine and as a member of its Board of Directors. During May, in addition to usual activities, I accepted the Chairmanship of three committees: (1) To find a Medical Director for St. Joseph's Hospital and Medical Center, of which the Barrow Neurological Institute is one component, (2) To establish a Trauma Center at St. Joseph's Hospital and Medical Center, and (3) To evaluate and recommend revisions in Arizona Blue Shield plans.

At the end of this month we will see the usual progression of residents. Dr. David Chepovsky will finish his program, 48 months following a surgical internship, and will become the first neurosurgeon in Pueblo, Colorado -- a city of 130,000 people with a drawing area of another 40,000. I am sure that he will be looking for help within a few years. Dave is a hard working, capable young man who did slightly over 300 major operations under supervision as Senior Resident. Nearly 200 cases of these were in the Barrow Institute and the remainder at the Maricopa County and Veterans Administration Hospitals. Our new Senior Resident for the next six months will be Dr. Vaughan, who has just completed his training in Perth under Professor Lekias and will spend one year of additional training in the United States and Canada before returning to Australia.

On the personal side, Georgia's recent art show was very successful. She sold sixteen paintings. They are remarkably good (my opinion, of course). Before long her income may exceed her expenses. Charles, who will be nineteen next month, an Honor student, dropped out of Engineering School last fall because he decided he didn't want a career in Engineering and is enrolled in Pre-Law for this fall. We join other anxious parents in wanting the best for our children but recognizing the futility of trying to live their lives. Gretchen, who is fourteen, has her horse, Hobyd Dyab, to keep her very, very interested. Fourteen ribbons have been won by this team so far.

We look forward to seeing all The Academy members and their wives at Lake Tahoe In September.

Dr. Mayfield To Receive Honorary Degree At UC

Dr. Frank H. Mayfield of Cincinnati, Ohio, is one of six candidates who will receive honorary degrees at commencement exercises at the University of Cincinnati on June 13.

While Dr. Mayfield was born in Estill, S. C., he was reared in Warren County and graduated from Norlina High School. He is the brother of John Weldon and Boyd Mayfield of Norlina.

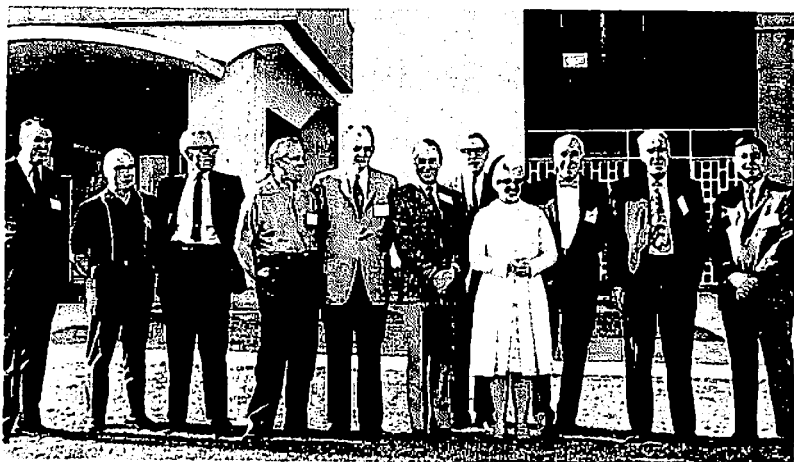
Dr. Mayfield is a prominent Cincinnati neurosurgeon and former member of UC's board of directors—doctor of science. He is a graduate of the University of North Carolina and Medical College of Virginia. He has taught at UC's College of Medicine and the University of Louisville Medical School.

Dr. Mayfield was a founding member and subsequent president of the American Academy



MAYFIELD

of Neurosurgery at Christ and Good Samaritan Hospitals, Cincinnati. He served on UC's board of directors from 1951-67.



Juan Christensen

In March I attended a neurosurgical meeting in Porto Alegre, Brasil, honoring Professor Paglioli on the twenty-fifth anniversary of his Neurosurgical Institute, and then I went to Punta del Esta, Uruguay for the XIV Latin American Congress of Neurosurgery. It was a special occasion since the first of these Congresses, which take place every two years, was in Uruguay twenty-six years ago. It was, therefore, a sort of silver anniversary. Now I have just returned from the European Neurosurgical Congress in Prague and the Symposium on Stereencephalotomy in Bratislava.

Prior to the European Congress we had a meeting in Prague of the Head Injuries Committee of the World Federation of Neurosurgical Societies and I was commissioned to organize an International Conference on Neurotraumatology which will take place at Buenos Aires from the eleventh to the fourteenth of September, 1972. The main topics will be: (A) Predisposing factors in head injury, (B) Cervical spinal cord injury, and (C) First aid in neurotraumatology (at the site of the injury, during transportation and on arrival at the hospital).

It would give me great pleasure to have here for this event as many fellow Academy members as possible. I shall send you a detailed preliminary program shortly. Those colleagues who would need an official invitation to obtain a leave of absence from Hospital or University should write to me directly.



Henry worrying about the JOURNAL OF NEUROSURGERY



Bruce and Gloria Hendrick

The past year on the Neurosurgical Unit at the Children's Hospital has been a fairly busy one. We have expanded our facilities to include a new neuroradiology department and a new neuropathology department in our recently completed Elm Street wing. This should facilitate the diagnostic end of our service to a great degree.

The volume of our service has continued to increase, I think because of the population in the area and we have taken on a young neurosurgeon of great promise, Dr. Robin Humphreys, to fill out our staff.

Our hydrocephalic program is continuing slowly, but surely, and we feel we have close to 1400 children under investigation on whom some 4700 procedures have been carried out. I do not think it is going to turn back the frontiers but it may help a great many of us who decide what the ultimate outcome is and what shunting procedures are best carried out under certain circumstances.

At the present time we are watching with interest in Ontario the maneuverings of our Government concerning the payment of Doctors fees and there is a general feeling abroad that we will become fully socialized within the next few years. It has been distressing to see the newspaper publicity given to the medical profession and it has been felt that it is a definite campaign of denigration.

As a bit of a lone wolf for many years it has also been a great pleasure for me to notice that pediatric neurosurgery is now beginning to come into its own in terms of the afternoon at The Cushing meeting and other small meetings around the country. Finally, children are not being treated as small adults and this, I think, is a great step forward.

We had a wonderful winter in Canada with more snow than ever before and plenty of opportunities for skiing but by the end of March most of the people here had developed what is known locally as "cabin fever".

Both Gloria and I are looking forward to attending the meeting in Lake Tahoe and seeing our friends in The Academy again.



William E. Hunt

It is, of course, an honor and a pleasure to be invited to join The Academy. The informal exchange of professional information, our misgivings, our troubles, and even the lies that we tell each other are the best part of the intellectual exchange in the National Societies. One really can't get too much of it. The puritan conscience, which is disturbed by any time away from work, finds solace in the peculiar mixture of tension and relaxation that characterize neurosurgical groups. We return home with new ideas, but we also return reassured because we have once more discovered that respected colleagues have it as bad as we do.

This has been an eventful year in Columbus. The shifting ground of financial supports for teaching and research, the changing relations to administration and government have kept us all busy.

Most of us would do nothing else for a living, given the choice to do it all over again. Sometimes we wish there was not quite so much of it, but the comradeship of our peers whom we encounter three or four times a year in Societies such as The Academy is one of the great restoratives. I am, once again, glad to be a member of this group.



John and Vivian Mullan



If you should pass through Dublin and have a few hours to spare you must visit Powerscourt, a scant fourteen miles away. This memorial to a long succession of robber barons, Celtic, Norman and Saxon, is one of the finest landscaped gardens in Europe. Its commanding prospect, the mathematical precision of its Italian terraces and the quiet tranquility of its great Triton pool provide the propitious medium (M. Lubhan of the message) for logical reflection. There one brief evening I gained insight into a problem which had perplexed me for some time.

On assuming some increased administrative responsibilities a year ago, it became evident within a week that several major reforms were necessary. Within three weeks it was evident that I was unlikely to accomplish any of them. In other words, I had reached my level of incompetence (Peter's Principle). Within five weeks it was equally evident to me as Peter had predicted, that all my colleagues of the administrative order had already reached their levels of incompetence some time previously. This was the problem. Why were reasonably intelligent men so ineffectual? It was at this stage of reflection that I recalled the story which Boris of Yugoslavia had told me many years ago.

Apparently in Southern Yugoslavia, while inspecting a museum, a cultural commissar noted a peculiar custom. When the local peasantry, as distinct from the city tourist, visited it they turned right inside the entrance and bent one knee before proceeding into the interior. Now it is the business of any visiting commissar to observe any practice which deviates from the usual and customary. It might signal that new independence of thought and action which have always been the starting point of any worth while insurrection or rebellion. A political commissar was then promptly dispatched to the scene but all he could learn was that the people had always entered that way. Even the oldest inhabitant, aged 97, whose grandfather lived to be 103, recalled that his grandfather had said it was always done that way. Having thus tapped a folk memory at least a couple of centuries old the theory of current insurrection was untenable. The commissar of religion was then sent down to see if any unauthorized religion was going on, for the place until recently had been a Moslem Mosque. The direction of knee bending, which did not point towards Mecca, was all wrong and knee bending in fact had never been a Moslem "thing". Thus the matter rested until some newly

applied plaster and paint began to crack and crumble and the commissar of ancient monuments decided to do some necessary renovations. To the surprise of all, when the ninth layer of plaster was removed there appeared on the wall, a most wonderful Byzantine mosaic of the Crucifixion. It carbon dated to 1484, the year before Constantinople was captured by the Turks.

The pieces now began to fit together. This splendid mosaic, the pride and joy of its Byzantine people, had been hastily covered over by plaster at the approach of the Turkish armies but the people continued to bend the knee (genuflect) as they had always done. In time they too became Moslem, and their church became a Mosque but their entrance ritual persisted. It even survived their conversion to dialectical materialism.

In other words here was a clear example of Newton's first law of motion, or conservation of energy. A body or institution or custom, set in motion, continues in that same line of motion, even when the forces that set it in motion are withdrawn, redundant or totally irrelevant. Hitherto I had regarded institutions as biological things subject to biological laws, with gestation and birth, growth and development, a period of productivity and, if the organization was healthy reproduction. Not only was this concept naive, it is inaccurate. Parkinson's law of work and time which simply restated Boyle's law of pressure and volume was right. Peter's Principle, restated as Newton's first law of motion (which had already been stated by Galileo) was right. Institutions obey physical, not biological laws.

After that it was simple to look into some further laws of classical physics. Newton's second law, that the effect of one moving body upon another is proportional to their masses as well as their velocities warns the innovator of limited mass that velocity and direction are, by themselves, relatively ineffectual. Newton's third law rediscovered by one K. Marx states that institutions react to restructuring forces with an equal and opposite reaction. It is, in fact, the original of Parkinson's more recent and more whimsical law of delay.

For advanced students in the mathematics of hierarchology there are Kepler's and Newton's laws of gravitation which state that when an object is moving in the gravitational field of another the time taken for the smaller object to "get around" the larger may be calculated knowing that the square of the time is proportional to the cube of the major axis of the orbit, which is the distance between the perihelion and the aphelion. Candidates in neuropolitics will undoubtedly profit from Ernst Mach's observation that the ratio of the masses of interacting particles is the negative inverse ratio of their accelerations with respect to the same inertial frame. The less ambitious student may decide that "getting around" his hierarchial system is just not worth while.

Passing into the more modern mathematical physical concepts

of relativity and interchangeability of matter and energy one is rewarded by an explanation as to why all administrative posts must be filled even though no useful work is expected or permitted. (Parkinson has already dealt in part with this phenomenon). In any pressure dependent medium (or field of forces) forces will be exerted upon the extraordinarily unstable nucleus of any recently vacated administrative shell. This unstable element under pressure may convert to energy. If sufficient unstable units exist a critical mass could develop which would blow the pile (or institution) apart. As the great Fermi demonstrated, such a pile may, however, be controlled by the insertion of Carbon Rods. Upon this theoretical basis there has evolved the great academic technic of institutional stabilization. A great institution achieves this much-desired state by the judicious and indeed generous use of Institutional Carbon Rods known to the irreverent as Dead Wood. It is true that if an excess of this material is used the pile will shut down and no useful energy will be released but that is, of course, another problem.

These few examples are offered to initiate the student of hierarchology into this logical, though at first bewildering, science. Much work has been accomplished since the initial studies of Leacock on that ancient and honorable Toronto institution, the university distinct boarding house in which Euclidian geometry prevails (a boarding house landlady is an angular figure equal to anything, etc.). Potter, Parkinson and Peter have all contributed generously, though much of their work, brilliant empirical observation that it is, lacks the basic mathematical precision that the subject deserves. It might be hoped that readers of THE NEUROSURGEON will bring to this admittedly difficult subject that illuminating brilliance and capacity for tackling the impossible which have always characterized our craft and our society. The reward, a clearer understanding of the mechanisms of those institutions in which we serve, is not an inconsiderable one.

Anyone care to comment?

Courtland and Marilyn Davis

This past year has been a mixture of adventure and routine. A little over a year ago, I got squeezed between the bumper of a backing truck and the side of my car and ended up spending three months in a long leg cast. This proved to be quite rewarding in allowing me time to catch up on my visitations with my family, reading, correspondence, writing, and relaxation. The inactivity was particularly tolerable because there was no feeling of attached sin. Once the crutches were discarded, my recuperation and forced level of activity accelerated so that I have often thought back on my incapacity with nostalgia.

The principal adventure this year has been a tour of duty with the S. S. HOPE in Jamaica. I followed such outstanding people as Les Mount, Ben Whitcomb, Bert Selverston, Bill Buckheit, and was replaced by Eddie Kahn. This tour was much more on the level of a Visiting Professorship than my previous experience with the HOPE. I know that I profitted greatly from the exchange of ideas with Professor Masson, Mr. Machardy and Dr. Locke, and I feel quite certain that they view the experience as a profitable one for them. I had a particularly good time because two of my daughters, Missy and Pogo, were able to accompany me, work as volunteers, and to act as guides and chaperons on our weekend excursions about the island.

On the local scene in Winston-Salem, we are still in the midst of our large building program - the completion now seems to be within sight. The Medical School has completed its building, and the student enrollment is being enlarged. The new hospital tower is nearing completion, and we are all looking forward to its availability. We have a new Dean, Richard Janeway, who has been a member of our Neurology Staff, went through our neurology training program, and is an outstanding and dynamic person in every way. I believe that our school will continue to grow and develop in a gratifying manner under his leadership. Our Neurosurgical Service continues to be active, and we continue to be blessed with an outstanding house staff.



Francis and Letitia Echlin



Letitia and I have followed the sun in Europe and Mexico and are now on our farm near New York preparing to go to Canada when the hot weather comes. I have managed to operate on a series of monkeys this spring and shall do some chemical studies on the chronically isolated cortex with Rosenberg at the University of Connecticut in the fall.

I spent six days a week this winter taking drawing lessons but so far have not had any complimentary letters from Picasso.

We were sorry to miss the meeting in Houston, but shall go to the meetings of the Fulton Society and the Neurological Association in Washington next week.



Pearson and Frances Donaghy

The past year has gone very rapidly mainly because we have tried to fulfill so many overdue obligations that I am reminded of the time George Schumacher disgustedly spoke of a rotating internship of multiple short periods as a vibrating internship. One must not become too thinly spread. One of my Far Eastern Fellows says "many zeros add to nothing."

Much of our efforts have remained in the field of cerebrovascular disease. We have completed the 9th of our blood flow diversions and had the pleasure of being present at the European Neurosurgical Congress in Prague to hear forty-four cases summarized and to spend some time with Larry Pool, Bill Sweet, Hannibal Hamlin, Dick Schneider and Dick DeSaussure.

Unfortunately a trip to Southern Bohemia with Juan Cardenas fell through. I had hoped to see that Latin charm make travel and reservations easy.

On return home much hard work awaited us including four almost identical A-V malformations off the right posterior cerebral and posterior communicating arteries, but, in addition, happily two human cord injuries with total loss of function were found to have active sensory evoked potentials and this has been followed by some return of function as laboratory experience had led us to believe would be the case.

Not the least pleasure of the year has been the stream of many visitors to the laboratory and the service. In a small and secluded sector of New England this source of knowledge from so many of you and from friends abroad is most welcome and the gems we thus accumulate are straight way invested to the advantage of our Vermont patient in whose language "I reckon it's time to short this passel of gossip."

With the departure for college this year of the youngest of our four children, Frances hopes to do a mite more traveling in the future.

Giuseppe and Giusti
Dalle Ore

In my first letter to THE NEUROSURGEON I wish to introduce myself to all those friends whom I am looking forward to seeing at the next meeting.

In 1957 I married Giusti, stopping her career as a neurosurgeon before she could get her specialization. Bad luck for neurosurgery, but good luck for me! Nevertheless, she has been very happy to follow me in our very interesting "neurosurgical honeymoon" in the U. S. A. visiting departments all over the country. It has been a great and precious experience, very useful when in 1958 I opened my own new department in Verona.

I have been working for twelve years in this beautiful town and since October of 1969 have been in charge of a teaching program in Verona's new section of Padua's University.

My wife still works in my department and is now teaching me how to care for Parkinsonian patients. She gets better results with her persuading words and smiles, along with L-Dopa, than those I used to obtain with stereotaxis.

Our team turns its efforts particularly in studying acute and prolonged traumatic comas. Italian drivers do their best to keep us busy in this field.

This Spring I was in Zurich working with Yasargil on micro-neurosurgery - a marvelously thrilling experience.

In June, Giusti and I attended the European Congress in Prague and continued our trip visiting Poland and Czechoslovakia with our three boys, aged 12, 11, and 10. Our little girl, Paola, "the Princess", aged only 6, was at home. We all enjoyed the tour immensely and the children dream of the next Congress, a chance for another journey.

The only cloud in Prague was the news of Bill Scoville's accident which prevented him from attending.

This year a new National plan for social medicine has started in Italy - we are very anxious to know if the new laws will hinder our work because of political or bureaucratic interference or will make it easier.

Recipient of
THE NEUROSURGEON AWARD

1970



Guy L. Odom

THE NEUROSURGEON AWARD this year is made to Dr. Guy L. Odom. Guy graduated from Tulane Medical School and completed his Neurosurgical Residency at the Montreal Neurological Institute. Following this he was Instructor in Neurosurgery at Louisiana State University until he moved to Duke University. He was made Professor of Neurosurgery at Duke University in 1950 and has been Chairman of the Department since 1960. He has served as Vice-President and President of The Southern Neurosurgical Society. He has served as Secretary-Treasurer and President of The Society of Neurological Surgeons. He was President of The American Academy of Neurological Surgery and is currently President of The American Association of Neurological Surgeons.

Guy served as Secretary-Treasurer of The American Board of Neurological Surgery from 1964 to 1970 and those who served with him as examiners or associate examiners will recall with pleasure the excellent meals he arranged at the University Club of Chicago. This pleasant interim served as some compensation for the arduous days. Guy now serves as Chairman of The American Board of Neurological Surgery and he will be sorely missed

when his term of office expires. He has always had the interest of the resident and candidate at heart and has been critical of those programs which did not measure up to his standards.

He is a member of numerous Medical Societies and has served as Chairman of the Joint Council Subcommittee on Cerebrovascular Disease and National Heart and Lung Institute and National Institute of Neurological Diseases and Stroke. He has also been Consultant to the VA Spinal Cord Injury Center. He is the author of numerous articles and his example in teaching ability has produced many outstanding neurosurgeons. His home is presided over by his lovely wife, Mataline. The Odoms are never too busy to entertain in spite of the many duties and travels required of them.

It is a pleasure that THE NEUROSURGEON AWARD is made this year to Dr. Guy L. Odom.

THE NEUROSURGEON AWARD WINNERS

Edwin B. Boldrey	1955
Georgia and John Green	1956
Dean Echols	1957
Arthur R. Elvidge	1958
John Raaf	1959
Rupert B. Raney	1960
R. Glen Spurling	1961
Hannibal Hamlin	1962
Frank H. Mayfield	1963
Francis Murphey	1964
The Ladies	1965
David L. Reeves	1966
Eben Alexander	1967
Donald D. Matson	1968
Henry Schwartz	1969
Guy L. Odom	1970

THE AMERICAN ACADEMY OF NEUROLOGICAL SURGERY
FOUNDED OCTOBER, 1938

HONORARY MEMBERS - 3

ELECTED

Dr. Percival Bailey
731 Lincoln Street
Evanston, Illinois 60201

1960

Dr. Wilder Penfield
Montreal Neurological Institute
3801 University Street
Montreal 2, Quebec, Canada

1960

Dr. R. Eustace Semmes
20 South Dudley Street, Suite 101B
Memphis, Tennessee 38103

1955

SENIOR MEMBERS - 21

Dr. George S. Baker
200 First Street, S. W.
Rochester, Minnesota 55901

Enid
Orchard Acres Farm
3405 Valley View Rd., S.W.
Rochester, Minnesota 55901

1940

Dr. E. Harry Botterell
Faculty of Medicine
Queen's University
Kingston, Ontario, Canada

Margaret
2 Lake Shore Boulevard
Reiddendale
Kingston, Canada

1938

Dr. Howard A. Brown
2001 Union Street
San Francisco, Calif. 94123

Dorothy
2240 Hyde Street
San Francisco, Calif. 94109

1939

Dr. Donald F. Coburn
6400 Prospect Ave., Room 204
Kansas City, Missouri 64132

Ellie

1938

Dr. Francis A. Echlin
164 E. 74th Street
New York, New York 10021

Letitia
R. R. # 2
New Paltz, New York 12561

1944

Dr. Arthur Elvidge
Montreal Neurological Inst.
3801 University Street
Montreal 2, Quebec, Canada

1465 Bernard Avenue, West
Outremont, Quebec
Canada

1939

		ELECTED
Dr. Theodore C. Erickson University Hospitals 1300 University Avenue Madison, Wisconsin 53706	Martha 531 North Pinckney Madison, Wisconsin	1940
Dr. Joseph P. Evans University of Chicago Clinics 950 E. 59th Street Chicago, Illinois 60637	Hermene 1160 E. 56th Street Chicago, Illinois	Founder
Dr. James Greenwood, Jr. 1117 Hermann Prof. Bldg. 6410 Fannin Street Houston, Texas 77025	Mary 1839 Kirby Drive Houston, Texas 77019	1952
Dr. Wesley A. Gustafson First National Bank Bldg. McAllen, Texas 78501	Jennie North Ware Rd., R.R. 1 Box 296-A McAllen, Texas 78501	1942
Dr. Wallace B. Hamby 3001 NE 47th Court Fort Lauderdale, Florida 33308	Eleanor	1941
Dr. Jess D. Herrmann P. O. Box 135 Mountain Pine, Arkansas 71956	Mary Jo	1938
Dr. Henry L. Heyl Dartmouth Medical School Hanover, New Hampshire 03755	Kit	1951
Dr. William S. Keith Toronto Western Medical Bldg, Suite 207, 25 Leonard Ave. Toronto 130, Ontario, Canada	Eleanor 55 St. Leonard Crescent Toronto, Ontario, Canada	Founder
Dr. Francis Murphey 20 S. Dudley Street, Suite 101B Memphis, Tennessee 38103	Roder	Founder
Dr. J. Lawrence Pool 710 W. 168th Street New York, New York 10032	Angeline Closter Dock Road Alpine, New Jersey	1940
Dr. Stuart N. Rowe 302 Iroquois Building 3600 Forbes Street Pittsburgh, Pennsylvania 15213	Eiva 6847 Reynolds Street Pittsburgh, Pennsylvania	1938

ELECTED

Dr. Samuel R. Snodgrass John Sealy Hospital University of Texas Medical Branch Galveston, Texas 77550	Margaret 1405 Harbor View Drive Galveston, Texas	1939
Dr. A. Earl Walker Johns Hopkins Hospital Div. of Neurological Surgery 601 North Broadway Baltimore, Maryland 21205	Terrye 6007 Lakehurst Drive Baltimore, Maryland	1938
Dr. Exum Walker 490 Peachtree Street, N. E. Atlanta, Georgia 30308	Nelle 380 Valley Road, N. W. Atlanta, Georgia 30305	1938
Dr. Barnes Woodhall Duke University Medical Ctr. Durham, North Carolina 27706	Frances 4006 Dover Road. Hope Valley Durham, North Carolina 27707	1941

CORRESPONDING MEMBERS - 11

Dr. Fernando Cabieses Clínica Anglo Americana Apartado 2713 Lima, Peru		1966
Dr. Juan Cardenas y C. Av. Insurgentes Sur 594 Mexico, D. F.		1966
Dr. Juan C. Christensen Alvear 1399 Buenos Aires, Argentina		1970
Dr. Giuseppe Dalle Ore Reparto Neurochirurgico Ospedale Maggiore 38100 Verona, Italy		1970
Dr. Hans E. Diemath Prim. Univ.-Doz. Neurochir. Abt. d. Landersnervenklmk Salzburg, 5020, Austria		1970
Dr. John Gittingham Boraston House, Ravelson Edinburg 4, Scotland		1962

ELECTED

Dr. Kenneth G. Jamleson 131 Wickham Terrace Brisbane, Queensland, Australia 4000	1970
Dr. Katsutoshi Kitamura Professor of Neurosurgery Director of the Neurological Institute Kyushu University Hospital Fukuoka, Japan	1970
Dr. Kristian Kristiansen Oslo Kommune Ullval Sykehus Oslo, Norway	1962
Dr. B. Ramamurthi 2nd Main Road, C. I. T. Colony Mowbray's Road Madras 4, India	1966
Dr. Kjeld Vaernet Rigshospitalets neurokirurgiske afdeling, Tagensvej 18, 2200 Copenhagen, N., Denmark	1970

ACTIVE MEMBERS - 82

Dr. Eben Alexander, Jr. Bowman-Gray Sch. of Medicine Winston-Salem, N. C. 27103	Betty 1941 Georgia Avenue Winston-Salem, N. C. 37104	1950
Dr. James R. Atkinson 302 West Thomas Road Phoenix, Arizona 85013	Lona 5806 East Lewis Avenue Scottsdale, Arizona 85257	1970
Dr. H. Thomas Ballantine, Jr. Massachusetts General Hosp. Boston, Massachusetts 02114	Elizabeth 30 Embankment Road Boston, Massachusetts 02114	1951
Dr. Gilles Bertrand Montreal Neurological Inst. 3801 University Street Montreal, Quebec, Canada	Louise 385 Lethbridge Montreal 16, Quebec Canada	1967

ELECTED

Dr. Edwin B. Boldrey Univ. of California Med. Ctr. 3rd Avenue and Parnassus San Francisco, California 94122	Helen 924 Hayne Road Hillsborough, California 94010	1941
Dr. Barton A. Brown 2001 Union Street San Francisco, Calif. 94123	Martha 1648 - 8th Avenue San Francisco, Calif. 94122	1968
Dr. Harvey Chenault 2134 Nicholasville Road Lexington, Kentucky 40503	Margaret 667 Tateswood Road Lexington, Kentucky 40502	1949
Dr. Gale G. Clark, Capt. USN MC, USN Hospital Oakland, California 94627	Marian 12621 Brookpark Road Oakland, California 94619	1970
Dr. W. Kemp Clark 5323 Harry Hines Blvd. Dallas, Texas 75235	Fern 3909 Euclid Avenue Dallas, Texas 75205	1970
Dr. William F. Collins, Jr. Yale Univ. School of Medicine 333 Cedar Street New Haven, Connecticut 06510	Gwen 403 St. Ronan Street New Haven, Connecticut 06511	1963
Dr. James W. Correll Neurological Institute 710 W. 168th Street New York, New York 10032	Cynthia Algonquin Trail Saddle River, New Jersey 07458	1966
Dr. Courtland H. Davis, Jr. Bowman-Gray Sch. of Medicine Winston-Salem, N. C. 27103	Marilyn 921 Goodwood Road Winston-Salem, N. C. 27106	1967
Dr. Edward W. Davis Providence Med. Office Bldg. 545 NE 47th Avenue Portland, Oregon 97213	Barbara Box 974, Route 3 Troutdale, Oregon 97060	1949
Dr. Richard L. DeSaussure 20 S. Dudley Street, 101-B Memphis, Tennessee 38103	Phyllis 4290 Heatherwood Lane Memphis, Tennessee 38117	1962
Dr. Donald F. Dohn 2020 E. 93rd Street Cleveland, Ohio 44106	Betty 3010 Huntington Road Shaker Heights, Ohio 44120	1968
Dr. R. M. Peardon Donaghy Mary Fletcher Hospital Burlington, Vermont 05401		1970

ELECTED

Dr. Charles G. Drake
111 Waterloo St., Suite 211
London, Ontario, Canada

Ruth
R. R. 3, Medway Heights
London, Ontario, Canada

1958

Dr. Dean H. Echols
Ochsner Clinic
1514 Jefferson Highway
New Orleans, Louisiana 70121

Fran
1428 First Street
New Orleans, Louisiana 70130

Founder

Dr. George Ehni
1531 Hermann Prof. Bldg.
6410 Fannin Street
Houston, Texas 77025

Velaire (Lari)
16 Sunset
Houston, Texas 77025

1964

Dr. William H. Feindel
Montreal Neurological Inst.
3801 University Street
Montreal, Quebec, Canada

Faith
39 Thornhill Avenue
Westmount, Quebec
Canada

1959

Dr. Robert G. Fisher
800 NE 13th Street
Oklahoma City, Okla. 73104

Constance
107 Lake Aluma Drive
Oklahoma City, Okla. 73121

1957

Dr. Eldon L. Foltz
Chairman, Div. of Neurosurgery
University of California
Medical School
Irvine, California 92664

Catherine
2480 Monaco Drive
Laguna Beach, California 92651

1960

Dr. John D. French
The Center for the Health
Sciences, Univ. of California
Los Angeles, Calif. 90024

Dorothy
12841 Sunset Blvd.
Los Angeles, California 90049

1951

Dr. Lyle A. French
University of Minnesota
Medical School
Minneapolis, Minnesota 55455

Gene
85 Otis Lane
St. Paul, Minnesota 55104

1954

Dr. James G. Galbraith
University of Alabama
Medical Center
1919 Seventh Avenue, South
Birmingham, Alabama 35233

Peggy
4227 Altamont Road
Birmingham, Alabama 35213

1947

Dr. Sidney Goldring
Barnes Hospital Plaza
Division of Neurosurgery
St. Louis, Missouri 63110

Lois
11430 Conway Road
St. Louis, Missouri 63131

1964

ELECTED

Dr. Philip D. Gordy 1025 Walnut Street Philadelphia, Pa. 19107		1968
Dr. Everett G. Grantham 234 E. Gray Street Louisville, Kentucky 40202	Mary Carmel 410 Mockingbird Hill Road Louisville, Kentucky 40207	1942
Dr. John R. Green Barrow Neurological Inst. 302 W. Thomas Road Phoenix, Arizona 85013	Georgia 2524 E. Crittendon Lane Sutton Place Phoenix, Arizona 85016	1953
Dr. Hannibal Hamlin 270 Benefit Street Providence, Rhode Island	Margaret 270 Benefit Street Providence, Rhode Island 02903	1948
Dr. John W. Hanbery Division of Neurosurgery Stanford Medical Center Palo Alto, California 04304	Shirley 70 Mercedes Lane Atherton, California 94025	1959
Dr. George J. Hayes Director of Staff Office, Deputy Assistant Secretary of Defense Washington, D. C. 20301	Catherine 1362 Geranium Street, N. W. Washington, D. C.	1962
Dr. E. Bruce Hendrick Hospital for Sick Children 555 University Avenue Toronto, Ontario, Canada	Gloria 63 Leggett Avenue Weston, Ontario, Canada	1968
Dr. William E. Hunt 410 West 10th Avenue Columbus, Ohio 43210		1970
Dr. Robert B. King University Hospital Upstate Medical Center 750 E. Adams Street Syracuse, New York 13210	Molly 408 Maple Drive Fayetteville, New York 13066	1958
Dr. Robert S. Knighton Henry Ford Hospital 2799 W. Grand Boulevard Detroit, Michigan 48202	Louise 27486 Lathrup Boulevard Lathrup Village, Michigan 48075	1966

ELECTED

1967

Dr. Theodore Kurze
U. of Southern California
School of Medicine
Division of Neurosurgery
2025 Zonal Avenue
Los Angeles, California 90033

Dr. Raeburn C. Llewellyn
Tulane University
1430 Tulane Avenue
New Orleans, Louisiana 70112

Dr. William M. Lougheed
Medical Arts Building, # 430
170 St. George Street
Toronto 5, Ontario, Canada

Dr. Herbert Lourie
750 E. Adams Street
Upstate Medical Center
Syracuse, New York 13210

Dr. John J. Lowrey
Straub Clinic
888 S. King Street
Honolulu, Hawaii 96813

Dr. Ernest W. Mack
505 S. Arlington Avenue
Suite 212
Reno, Nevada 89502

Dr. George L. Maltby
31 Bramhall Street
Portland, Maine 04102

Dr. Frank Mayfield
506 Oak Street
Cincinnati, Ohio 45219

Dr. Augustus McCravey
1010 East Third Street
Chattanooga, Tennessee 37403

Dr. Robert L. McLaurin
Division of Neurosurgery
Cincinnati General Hospital
Cincinnati, Ohio 45229

Carmen
32 Versailles Boulevard
New Orleans, Louisiana 70124

Grace Eleanor
67 Ridge Drive
Toronto, Ontario
Canada

Betty
101 Thomas Road
DeWitt, New York 13214

Catherine (Katy)
2299-B Round Top Drive
Honolulu, Hawaii 96822

Roberta
235 Juniper Hill Road
Reno, Nevada 89502

Isabella (Sim)
Breakwater Farm
Cape Elizabeth, Maine

Queenec
1220 Rockwood Drive
Cincinnati, Ohio 45208

Helen
130 North Crest Road
Chattanooga, Tennessee

Kathleen
2461 Grandin Road
Cincinnati, Ohio 45208

1963

1962

1965

1965

1956

1942

Founder

1944

1955

ELECTED

Dr. William F. Meacham Vanderbilt University Hosp. Div. of Neurological Surgery Nashville, Tennessee 37203	Alice 3513 Woodmont Boulevard Nashville, Tennessee 37215	1952
Dr. Edmund J. Morrissey 450 Sutter Street, Suite 1504 San Francisco, Calif. 94108	Kate 2700 Vallejo Street San Francisco, Calif. 94123	1941
Dr. John F. Mullan University of Chicago Clinics Department of Neurosurgery 950 E. 59th Street Chicago, Illinois 60637	Vivian 6911 S. Bennett Avenue Chicago, Illinois 60649	1963
Dr. Blaine S. Nashold, Jr. Duke University Medical Ctr. Durham, North Carolina 27706	Irene 410 E. Forest Hills Blvd. Durham, North Carolina	1967
Dr. Frank E. Nulsen Div. of Neurosurgery University Hospital 2065 Adelbert Road Cleveland, Ohio 44106	Ginny 21301 Shaker Boulevard Shaker Heights, Ohio	1956
Dr. Guy L. Odom Duke University Medical Ctr. Durham, North Carolina 27706	Mataline 2612 Chelsea Circle Durham, North Carolina	1946
Dr. Robert G. Ojemann Massachusetts General Hosp. Div. of Neurological Surgery Boston, Massachusetts 02114	Jean 85 Hobscot Road Weston, Massachusetts 02193	1968
Dr. Phanor L. Perot, Jr. Medical University of South Carolina 80 Barre Street Charleston, South Carolina 29401	Elizabeth	1970
Dr. Byron C. Pevehouse 2001 Union Street San Francisco, Calif. 94123	Maxine 135 Mountain Spring Avenue San Francisco, Calif. 94114	1964
Dr. Robert W. Porter 5901 East 7th Street Long Beach, Calif. 90804	Aubrey Dean 6461 Bixby Hill Road Long Beach, Calif. 90815	1962
Dr. Robert H. Pudenz 734 Fairmount Avenue Pasadena, California 91105	Mary Ruth 385 S. Oakland Avenue, # 101 Pasadena, California	1943

ELECTED

Dr. John Raaf 833 SW 11th Avenue Portland, Oregon 97205	Lorene 390 SW Edgecliff Road Portland, Oregon 97219	Founder
Dr. Aidan W. Raney 2010 Wilshire Boulevard Suite 203 Los Angeles, Calif. 90057	Mary 125 North Las Palmas Los Angeles, Calif. 90004	1946
Dr. Joseph Ransohoff New York University Med. Ctr. 550 First Avenue New York, New York 10016	Rita 140 Riverside Drive New York, New York	1965
Dr. Theodore B Rasmussen Montreal Neurological Inst. 3801 University Street Montreal 2, Quebec, Canada	Catherine 29 Surrey Drive Montreal 16, Quebec, Canada	1947
Dr. David H. Reynolds 1700 NW 10th Avenue Miami, Florida 33136	Marjorie 1701 Espanola Drive Miami, Florida	1964
Dr. R. C. L. Robertson Shamrock Professional Bldg. 2210 Maroneal Boulevard Suite 404 Houston, Texas 77025	Marjorie 5472 Lynbrook Drive Houston, Texas	1946
Dr. Richard C. Schneider C5135, Out-Patient Bldg. University Hospital Ann Arbor, Michigan 48104	Madeleine 2110 Hill Street Ann Arbor, Michigan 48104	1970
Dr. Henry G. Schwartz Barnes Hospital Plaza Div. of Neurological Surgery St. Louis, Missouri 63110	Reedie 2 Briar Oak, Ladue St. Louis, Missouri 63132	1942
Dr. William B. Scoville 85 Jefferson Street Hartford, Connecticut 06106	Helene 27 High Street Farmington, Connecticut	1944
Dr. C. Hunter Shelden 744 Fairmount Avenue Pasadena, California 91105	Elizabeth 1345 Bedford Road San Marino, California	1941
Dr. Bennett M. Stein 710 West 168th Street New York, New York 10032	Doreen	1970

ELECTED

Dr. Anthony F. Susen 3600 Forbes Avenue Pittsburg, Pennsylvania 15213	Phyllis 3955 Bigelow Boulevard Pittsburg, Pennsylvania	1965
Dr. Hendrik J. Svien 200 First Street, S. W. Rochester, Minnesota 55901	Nancy 827 Eighth Street, S. W. Rochester, Minnesota	1957
Dr. Homer S. Swanson 1938 Peachtree Road, N. W. Atlanta, Georgia 30309	LaMyra 1951 Mt. Paran Road, N. W. Atlanta, Georgia	1949
Dr. William H. Sweet Massachusetts General Hosp. Div. of Neurological Surgery Boston, Massachusetts 02114	Mary 35 Chestnut Place Brookline, Massachusetts	1950
Dr. George T. Tindall University of Texas Medical Branch The John Sealy Hospital Galveston, Texas 77550	2938 Dominique Drive Galveston, Texas	1968
Dr. John Tytus Mason Clinic 1118 Ninth Avenue Seattle, Washington 98101	Virginia (Gina) 1000 NW Northwood Road Seattle, Washington 98177	1967
Dr. Alfred Uihlein 200 First Street, S. W. Rochester, Minnesota 55901	Ione Box 1127 Naples, Florida	1950
Dr. Arthur A. Ward, Jr. Dept. of Neurological Surgery Univ. of Washington Hospital Seattle, Washington 98105	Janet 3922 Belvoir Place NE Seattle, Washington 98105	1953
Dr. Thomas A. Weaver, Jr. 146 Wyoming Street Dayton, Ohio 45409	Mary 868 W. Alexandersville- Bellbrook Road Dayton, Ohio	1943
Dr. W. Keasley Welch Children's Hospital Med. Ctr. 300 Longwood Avenue Boston, Massachusetts 02115	Elizabeth	1957
Dr. Benjamin B. Whitcomb 85 Jefferson Street Hartford, Connecticut 06106	Margaret 38 High Farms Road West Hartford, Connecticut	1947

ELECTED

1966

Dr. Charles B. Wilson
Dept. of Neurological Surgery
University of California
Medical Center
Third and Parnassus
San Francisco, California 94122

Mary
215 Round Hill Road
Tiburon, California 94920

DECEASED MEMBERS - 14

ELECTED

Dr. William S. Beswick New York, New York	(Active) 5-12-71	1949
Dr. Spencer Braden Cleveland, Ohio	(Active) 7-20-69	Founder
Dr. F. Keith Bradford Houston, Texas	(Active) 4-15-71	1938
Dr. Winchell McK. Craig Rochester, Minnesota	(Honorary) 2-12-60	1942
Dr. Olan R. Hyndman Iowa City, Iowa	(Senior) 6-23-66	1942
Sir Geoffrey Jefferson Manchester, England	(Honorary) 3-22-61	1951
Dr. Donald D. Matson Boston, Massachusetts	(Active) 5-10-69	1950
Dr. Kenneth G. McKenzie Toronto, Ontario, Canada	(Honorary) 2-11-64	1960
Dr. James M. Meredith Richmond, Virginia	(Honorary) 12-19-62	1946
Dr. W. Jason Mixer Woods Hole, Massachusetts	(Honorary) 3-16-58	1951
Dr. Rupert B. Raney Los Angeles, California	(Active) 11-28-59	1939
Dr. David L. Reeves Santa Barbara, California	(Senior) 8-14-70	1939
Dr. O. William Stewart Montreal, Quebec, Canada	(Corresponding)	1948
Dr. Glen Spurling La Jolla, California	(Honorary) 2-7-68	1942

THE GRANDFATHERS'S CLUB

E. Harry Botterell

Howard A. Brown

Donald F. Coburn

Dean H. Echols

George Ehni

Joseph P. Evans

James Greenwood, Jr.

Wallace B. Hamby

Hannibal Hamlin

Jess D. Herrmann

William S. Keith

Kristian Kristiansen

George L. Maltby

Ernest Mack

Edmund J. Morrissey

Francis Murphey

Guy L. Odom

John Raaf

Stuart N. Rowe

William B. Scoville

Henry Schwartz

Samuel R. Snodgrass

Alfred Uihlein

Thomas A. Weaver

Benjamin B. Whitcomb

Barnes Woodhall

THE ACADEMY AWARD WINNERS

Paul M. Linn	1955
Hubert L. Rosomoff	1956
Byron C. Pevehouse	1957
Normal Hill	1958
Jack Stern	1959
Robert Ojemann	1960
Lowell E. Ford	1962
Charles H. Tator	1963
Earle E. Crandall	1964
M. Stephen Mahaley, Jr.	1965
Chun Ching Kao	1966
John P. Kapp	1967
Hoshio Hosobuchi	1968
Gary G. Ferguson	1970

PAST MEETINGS OF THE ACADEMY

Hotel Peabody, Memphis, Tennessee (Organizational Meeting)	April 22, 1938
Hotel Netherland Plaza Cincinnati, Ohio	October 28-29, 1938
Roosevelt Hotel New Orleans, Louisiana	October 27-29, 1939
Tudor Arms Hotel Cleveland, Ohio	October 21-22, 1940
Ambassador Hotel Los Angeles, California	November 11-15, 1941
The Palmer House Chicago, Illinois	October 16-17, 1942
Percy Jones General Hospital Battle Creek, Michigan	September 17-18, 1943
Ashford General Hospital White Sulphur Springs, West Virginia	September 7-8, 1944
The Homestead Hot Springs, Virginia	September 9-11, 1946
Broadmoor Hotel Colorado Springs, Colorado	October 9-11, 1947
Windsor Hotel Montreal, Canada	September 20-28, 1948
Benson Hotel Portland, Oregon	October 25-27, 1949
Mayo Clinic Rochester, Minnesota	September 28-30, 1950
Shamrock Hotel Houston, Texas	October 4-6, 1951
Waldorf Astoria Hotel New York, New York	September 29- October 1, 1952
Biltmore Hotel Santa Barbara, California	October 12-14, 1953
Broadmoor Hotel Colorado Springs, Colorado	October 21-23, 1954

The Homestead Hot Springs, Virginia	October 27-29, 1955
Camelback Inn Phoenix, Arizona	November 8-10, 1956
The Cloister Sea Island, Georgia	November 11-13, 1957
The York Toronto, Ontario, Canada	November 6-8, 1958
Del Monte Lodge Pebble Beach, California	October 19-21, 1959
Sheraton-Plaza Hotel Boston, Massachusetts	October 6-8, 1960
Larz Anderson House Washington, D. C.	October 18, 1961
Royal Orleans Hotel New Orleans, Louisiana	November 7-10, 1962
El Mirador Hotel Palm Springs, California	October 23-26, 1963
Key Biscayne Miami, Florida	November 11-14, 1965
Terrace Hilton Hotel Cincinnati, Ohio	October 14-16, 1965
Fairmount Hotel San Francisco, California	October 16-19, 1966
Key Biscayne Miami, Florida	November 8-11, 1967
Broadmoor Hotel Colorado Springs, Colorado	October 6-9, 1968
St. Regis Hotel New York, New York	September 21, 1969
Hotel Camino Real Mexico City, Mexico	November 19-21, 1970

COMMITTEES
THE AMERICAN ACADEMY OF NEUROLOGICAL SURGERY
1971 - 72

EXECUTIVE COMMITTEE

William B. Scoville, Chairman
Robert L. McLaurin
Edward L. Davis
Robert H. Pudenz
Byron C. Pevehouse
Lyle A. French

PROGRAM COMMITTEE

Charles B. Wilson, Chairman
Courtland Davis, Jr.
William H. Feindel

ACADEMY AWARD COMMITTEE

Henry L. Heyl, Chairman
William F. Collins
Ernest W. Mack

MEMBERSHIP ADVISORY COMMITTEE

James G. Galbraith, Chairman
Donald F. Dohn
Robert B. King
Byron C. Pevehouse
Robert H. Pudenz
William B. Scoville

SUB-COMMITTEE REGARDING CORRESPONDING MEMBERSHIP

William B. Scoville, Chairman
Charles G. Drake
Richard L. DeSaussure
Hannibal Hamlin
William H. Sweet

LOCAL ARRANGEMENTS COMMITTEE

Ernest W. Mack, Chairman

LADIES' PROGRAM

Roberta Mack, Chairman

COMMITTEES

COMMITTEE ON EDUCATION IN NEUROLOGICAL SURGERY
THE AMERICAN ASSOCIATION OF NEUROLOGICAL SURGEONS

James G. Galbraith
Benjamin B. Whitcomb

ROUND ROBIN COMMITTEE

Richard L. DeSaussure, Chairman
William Meacham
Byron C. Pevehouse
Robert H. Pudenz

REPRESENTATIVES TO NEUROSURGICAL LIASON COMMITTEE
THE AMERICAN ASSOCIATION OF NEUROLOGICAL SURGEONS

Eben Alexander, Jr.
Lyle French

REPRESENTATIVE TO THE BOARD OF DIRECTORS -
THE AMERICAN ASSOCIATION OF NEUROLOGICAL SURGEONS

Joseph Ranschoff

DELEGATES TO THE WORLD FEDERATION OF NEUROSURGICAL SOCIETIES

Richard L. DeSaussure
William H. Feindel

REPRESENTATIVE TO COUNCIL FOR SECTION ON NEUROLOGICAL SURGERY -
THE AMERICAN MEDICAL SOCIETY

George Ehni

"PAST PRESIDENTS CLUB"

1938	Dean Echols	1954	Rupert B. Raney
1939	Dean Echols	1955	David L. Reeves
1940	Spencer Braden	1956	Stuart N. Rowe
1941	Joseph P. Evans	1957	Arthur R. Elvidge
1942	Francis Murphey	1958	Jess D. Herrmann
1943	Frank Mayfield	1959	Edwin B. Boldrey
1944	A. Earl Walker	1960	George S. Baker
1946	Barnes Woodhall	1961-62	C. Hunter Sheldon
1947	William S. Keith	1963	Samuel L. Snodgrass
1948	Howard A. Brown	1964	Theodore Rasmussen
1949	John Raaf	1965	Edmund J. Morrissey
1950	E. Harry Botterell	1966	George J. Maltby
1951	Wallace B. Hamby	1967	Guy L. Odom
1952	Henry G. Schwartz	1968	James G. Galbraith
1953	J. Lawrence Pool	1969-70	Robert H. Pudenz

PAST VICE-PRESIDENTS

1941	Francis Murphey	1955	Stuart H. Rowe
1942	William S. Keith	1956	Jess D. Herrmann
1943	John Raaf	1957	George S. Baker
1944	Rupert B. Raney	1958	Samuel R. Snodgrass
1946	Arthur R. Elvidge	1959	C. Hunter Sheldon
1947	John Raaf	1960	Edmund J. Morrissey
1948	Arthur R. Elvidge	1961-62	Donald F. Coburn
1949	F. Keith Bradford	1963	Eben Alexander, Jr.
1950	David L. Reeves	1964	George L. Maltby
1951	Henry G. Schwartz	1965	Robert H. Pudenz
1952	J. Lawrence Pool	1966	Francis A. Echlin
1953	Rupert B. Raney	1967	Benjamin B. Whitcomb
1954	David L. Reeves	1968	Homer S. Swanson
		1969-70	Augustus McCravey

PAST SECRETARY-TREASURERS

Francis Murphey	1938-40
A. Earl Walker	1941-43
Theodore C. Erickson	1944-47
Wallace B. Hamby	1948-50
Theodore B. Rasmussen	1951-53
Eben Alexander, Jr.	1954-57
Robert L. McLaurin	1958-62
Edward W. Davis	1963-65
Robert G. Fisher	1966-68

FUTURE MEETINGS

The American Academy of Neurological Surgery

Lake Tahoe, Nevada	September 26-29, 1971
Oxford, England	September 4-7, 1972

The American Association of Neurological Surgeons

Boston, Massachusetts	April 16-20, 1972
Los Angeles, California	April 8-12, 1973

The American College of Surgeons

Atlantic City, New Jersey	October 18-22, 1971
San Francisco, California	October 2-6, 1972
Chicago, Illinois	October 15-19, 1973
Atlantic City, New Jersey	October 14-18, 1974

Congress of Neurological Surgeons

Miami, Florida	October 10-16, 1971
Denver, Colorado	October 15-21, 1972
Honolulu, Hawaii	October 1-7, 1973

Neurosurgical Society of America

Pebble Beach, California	March 22-25, 1972
South Hampton, Bermuda	April 22-25, 1973

The Southern Neurosurgical Society

Houston, Texas	January 27-29, 1972
Atlanta, Georgia	1973
Key Biscayne, Florida	1974

Western Neurosurgical Society

Colorado Springs, Colorado	October 31-November 3, 1971
Tucson, Arizona	October 29-November 1, 1972

The Society of Neurological Surgeons

New Haven, Connecticut	May 10-13, 1972
Los Angeles, California	1973

International Congress of Neurological Surgeons

Tokyo, Japan	October 7-13, 1973
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Pan-Pacific Surgical Association

Honolulu, Hawaii	February 26-March 4, 1972
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