

THE AMERICAN ACADEMY
OF NEUROLOGICAL SURGERY



The contents of this publication are

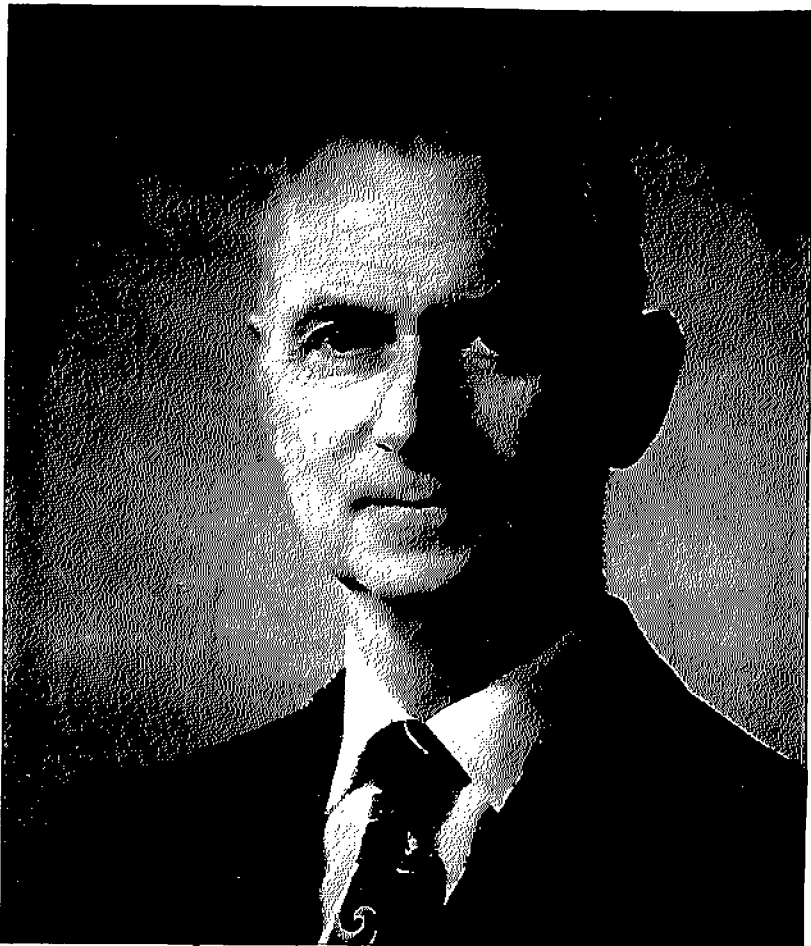
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(Previous issue: Volume 37, September, 1977)



William Herbert

SWEET

William Herbert Sweet is a native of Kerriston, Washington, near Mount Ranier, and it was apparent from the very first that he was an exceptional child. Not only did he complete all of his grades and graduate from high school at age 14, but he was a gifted musician as well, and because of his many talents took a little additional time to decide what his main interests would be.

He graduated first in a class of 1,000 in 1930 from the University of Washington and then went to the Harvard Medical School where he received a Rhodes Scholarship. This he spent at Oxford (Magdalen College) doing research work in neurophysiology under Sir Charles Sherrington. He received an additional B.Sc. degree from Oxford in 1934 and graduated from Harvard in 1936.

He took training in neurological surgery at the Massachusetts General Hospital and then was with Percival Bailey at the University of Chicago Clinic and Billings Hospital.

Bill was much concerned with our relationship with England at the outset of World War II and did go to England where he served with distinction even before America entered the war.

Subsequent to his return to the United States, he became actively involved in neurosurgery at the Massachusetts General Hospital, where he carried out an energetic program in clinical and basic research. He became chief of the neurosurgical service at Massachusetts General Hospital and was appointed professor of surgery (neurosurgery) at Harvard Medical School in 1961 following the retirement of Dr. James C. White.

Bill Sweet's contribution to basic science development and neurosurgery are well known and have been recognized in training programs, by the boards, and by the National Institute of Neurological Diseases and Blindness (now the National Institute of Communicating Disorders and Stroke). He has carried out major studies in the flow and formation of spinal fluid, the use of radioactive isotopes in the nervous system, treatment of extracranial and intracranial vascular disorders, the treatment of pain, treatment of primary malignant brain tumors, and the treatment of aggressive behavior disorders.

His interests have ranged far and wide, and when he became involved in an unjustified malpractice suit, he devoted all his effort to this, won the case himself, and wrote an excellent paper on the subject.

His publications are more numerous than could possibly be expected from a man who has been so busy with many other activities. When one considers the many boards of editors he has served on, also the various committees, including the Science and Technology Advisory Committee in the Office of Manned Space Flight, it is astonishing to realize what he has done.

Most of all, Bill Sweet has been a member of the American Academy of Neurological Surgeons, to which he has made a major contribution. He is one of those people who has been responsible for many of the notable accomplishments of this group and it is appropriate that he be honored for this.

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
Even Alexander	1967
Donald D. Matson	1968
Henry Schwartz	1969
Guy L. Odom	1970
William F. Meacham	1971
Richard L. DeSaussure, Jr.	1972
James G. Galbraith	1973
Lyle A. French	1974
Charles G. Drake	1975
Robert Pudenz	1976
William Sweet	1977

OFFICERS

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HISTORIAN	Edwin B. Boldrey, M.D.



MEMBERS



Eben and Betty

ALEXANDER

Our fourth addition to our group, Dr. Mike McWhorter, is a true pleasure. He has been spending half of his time in the laboratory for the first three years with us and is doing an excellent job, but he is so much in demand clinically that there is a considerable amount of pressure on him. Courtland Davis, Dave Kelly and I continue to work harder than we ever have, and I think we have the best resident staff we've ever had, a truly delightful, bright bunch of fellows who do a wonderful job at every turn. In fact, I've never seen such an outstanding group of people coming through as applicants to the neurosurgical training program as have come through the past couple of years.

The Southern Neurosurgical Society is meeting here in May with all of us as hosts and we are looking forward to that. Part of the Program will be handled by our own group and we are looking forward to a big crowd.

I have just spent most of the week as visiting professor at Massachusetts General Hospital with Dick Zervas and Bill Sweet and that was a truly pleasant experience. They have organized a great program there and have an outstanding group of residents.

I continue to be active with the AMA which I believe is our source of action from the socioeconomic point of view, and, to some extent, from the scientific point of view. If we don't settle the socioeconomic problems we certainly won't be able to do anything from the scientific point of view. If we didn't have the AMA now we would certainly have to form one, and I think all of us must get behind it and support it.

The North Carolina Medical Society has asked me to run for the Council on Medical Education this year and I have been strongly supported by the Section Council of Neurosurgery. There are three incumbents for the three open positions so there is very little likelihood I will be elected this year, but they feel it is important to do it this year anyway.

I am afraid Betty and I are not going to get to Munich this year, but we will certainly be on hand the next year.



James and Lona

ATKINSON

IN MEMORIAM

Jim Atkinson and Lona, his wife for twenty years, lost their lives in their twin-engine Piper Comanche plane near the summit of Santiago Peak in Santa Ana Mountains in California on Sunday evening, February 12, 1978. Both were expert flyers, having flown this plane to medical meetings in the United States, the Caribbean, Bermuda, England, Brazil, and, in 1975, around the world. At the time of his fatal accident Jim was on his way to meet with California engineers for the purpose of development of an intracranial pressure monitoring device, a project that he had been involved with for over ten years and was being funded by the Women's Board of the Barrow Neurological Foundation.

Doctor Atkinson was born in McGill, Nevada, received the B.S. degree in chemistry from the University of Nevada, and the M.D. degree from the University of Washington in Seattle in 1957. He developed a firm base in basic sciences prior to graduation from medical school, including Graduate School appointments at the University of Washington in psychology (1950-1952) and physiology (1955-1956). He expanded these interests with appointments as a trainee in biochemical genetics (1951-1952), neuro-physiology (1952-1953), radioisotopes (1956), and biophysics (1953-1957). He was a neurosurgical resident at the University of Washington (1958-1962) under the direction of Arthur A. Ward, Jr., M.D., during which time he collaborated with Doctor Ward on the first published work on intracellular ultramicro-electrode techniques in epileptic foci, and, with Doctor Eldon Foltz, on the use of intraventricular RISA as a diagnostic aid in pre and postoperative hydrocephalus. During his time in Seattle Jim became an expert SCUBA diver and was the first to demonstrate air embolism in the brain under simulated conditions in the laboratory. His interests in pain and addiction were begun in the Pain Clinic at the University of Washington

and with operations, including cingulumotomy, by Doctor Foltz. During 1962-1963 he worked with Doctor Ward in the area of evoked cortical unit recording and in cerebrospinal fluid dynamics, and was certified by the Atomic Energy Commission following work in radioisotope techniques at the U.S. Naval Medical School in Bethesda. He held N.I.H. post-doctoral fellowships from 1960-1963.

As the Barrow Neurological Institute of St. Joseph's Hospital and Medical Center was being developed as an academic and regional center for the neurological and neurosurgical specialties, Jim was selected to join the hospital-based group to add his skills, particularly from the standpoints of his research and educational capabilities. His subsequent performance during the past fifteen years proved the value of his preparation. He was certified by the American Board of Neurological Surgery in 1965. The Neurological Research Laboratory of the Institute was founded in 1966 by Jim with a grant from the Women's Board of the Barrow Neurological Foundation. He also founded an interdisciplinary Pain Clinic the same year. Stereotactic clinical and research facilities were expanded by additional funding. He was generous with his time and talent in teaching both attending and resident staff members and provided these individuals with his help and that of the engineering staff upon request.

Jim was precise, completely honest and straight-forward, and earned the deep respect of his colleagues and residents. He gradually developed recognition for his work in the fields of cerebral blood flow, intracranial pressure monitoring, and pain. He, with Shurtleff and Foltz, published a fundamental work in the area of radiotelemetry for the measurement of intracranial pressure (*J. Neurosurgery*, 27: 428-432, 1968), following his participation as Visiting Scientist at the University of Washington for three months in 1966. He participated in many scientific meetings, locally, nationally, and abroad. Among the many neuro-surgical residents whose lives were enriched by spending time at the B.N.I. with Jim, two should be mentioned. L. Philip Carter was the winner of the Western Neurosurgical Society Resident Award in 1972 because of work on cortical blood flow in controlled hypotension as measured by a thermal diffusion probe. The Atkinson-Carter Cerebral Blood Flow Probe has been further developed by Doctor Carter who has developed laboratory facilities in the Barrow Neurological Institute to supplement his clinical work. Andrew G. Shetter won the American Academy of Neurological Surgery Resident Award in 1975 based on work in the area of pain (*Dorsal Column Stimulation's Effect of Bulboreticular Unit Activity Evoked by Noxious Stimuli*). Doctor Shetter has worked with Doctor William H. Sweet of the Massachusetts General Hospital since July 1, 1976, in the clinic and laboratory, in the area of pain control. He has been selected to return to the B.N.I. as Director of the Neurosurgical Research Laboratory and to join the Division of Neurosurgery on a geographical full time basis. Obviously Doctor Atkinson has left a legacy of excellence worthy of emulation.

Jim Atkinson was a member of the Maricopa County and Arizona Medical Societies, the American Association of Neurological Surgeons, the American Academy of Neurological Surgery, the American Association for the Advancement of Medical Instrumentation, the Research Society of Neurological Surgeons, and the Western, Arizona, and Phoenix Neurosurgical Societies. He was the author or co-author of 26 scientific publications.

Jim was a most compassionate physician who looked after both the major and minor needs of his patients and their families. We have received hundreds of letters from his patients and friends, many from sources that none of us were aware of until after his death. He was dedicated not only to neurological surgery as a science but to the social service that he could achieve.

He was devoted to his personal and professional families. He is survived by his mother, Mrs. Russell Atkinson, of Port Angeles, Washington.

A James R. Atkinson Memorial Fund has been created as a remembrance of Jim's quiet, productive career and life in our midst. This Fund will be used to carry on and to advance this remarkable man's efforts to alleviate pain and suffering in the Pain Clinic and Laboratories that he founded.

John R. Green, M.D.

George and Enid

BAKER

Enid and I will be at our cabin in Wyoming until Labor Day, and then will move to Litchfield Park, Arizona where we have purchased a home on the first hole of the Gold Course at the Wigwam Country Club. This will be a permanent residence but we will maintain an apartment in Rochester, Minnesota for our use as well. The winter weather finally got the best of all of us last year. Tell Hunter Shelden I will try to get my golf game to a respectable handicap and maybe he will play with me again. Best wishes to all the Academy Members.



**Thomas and Elizabeth
BALLANTINE**

The delay in sending my contribution to the Neurosurgeon has been occasioned by an inability to find a proper black and white photograph to send off. Liz and I finally decided to send you this snapshot taken at our place in Woods Hole on Cape Cod. The youngest generation (reading left to right) is composed of Allison Ballantine, Thomas T. Ballantine and James E. Gardner. The proud grandparents need no identification (or do they?).

We had the pleasure of the company of the youngest Ballantines while their parents traipsed off to Edinburgh for a meeting of the British Association of Pediatric Surgeons. Tad, their father, is a pediatric surgeon in Indianapolis on the faculty of the University of Indiana Medical School. Our daughter Beth, (Jame's mother) is married to Wil Gardner a lawyer in Wellesly, Massachusetts. Beth continues as head of the Biology Department at Pine Manor College. Incidentally, the 5th World Congress of Psychiatric Surgery (HTB, Pres.) is meeting at Pine Manor August 21-25. At last count there were about 105 members and guests who were planning to attend. This does not include representatives of the Church of Scientology. If they do attempt to participate, you will probably read about it in all the newspapers!

In reference to psychiatric surgery: M.I.T. has continued its independent assessment of patients operated upon for psychiatric illness at the MGH and has seen almost eighty of them to date. These M.I.T. studies should turn out to be of tremendous importance in reference to putting an end to allegations that these operations are carried out for other than patient benefit or that, indeed, they are not beneficial to patients who are intractably ill from profound depression. It would be nice if the group at the MGH could share in the reports as co-authors but this would obviously influence unfavorably the creditability of the work that is being done across the Charles River from us.

In June, I completed my first full year as a member of the Board of Trustees of the American Medical Association. This is a time consuming and challenging appointment but one that I enjoy. One of the most enjoyable aspects is the fact that I am now Chairman of the Interboard Committee responsible for liaison with the Council of Medical Education. At the annual meeting of the AMA Eben Alexander was elected as a member of the Council which is a tremendous tribute to him but also his presence on the Council will be a tremendous advantage for it. His energy, wisdom and understanding will certainly help the Council deal with the manifold problems that face medical education in America.

One of the highlights of our life during this past year was the opportunity to spend about ten days in England and Scotland studying the British National Health Service. The state of British Medicine is disappointing and, indeed, almost tragic. While we were there it was announced that the "centers of excellence", i. e. the teaching hospitals and their research units were to be deprived of funds and that the high level of investigation and teaching which we have come to associate with British Medicine will no longer be supported by the government. There is one fundamental lesson for all physicians to learn from this British experience: at all costs we must prevent the development of a system in America in which all funds for patient care, teaching and research are provided from governmental sources. What the government pays for the government controls and when budgets get tight medical care, teaching and research are the first endeavors to feel the pinch.

I am very proud of the contributions that the neurosurgeons are making to the socioeconomic field of medicine and am very happy that I have been allowed to participate.

Elizabeth and I deeply regret that we will not be with the Academy when it meets in Munich but will look forward to seeing all of our friends and colleagues at various other meetings during the year.

Edwin and Helen

BOLDREY

Since the pleasant annual meeting of the Academy last fall, life has been neither boring nor overwhelming.

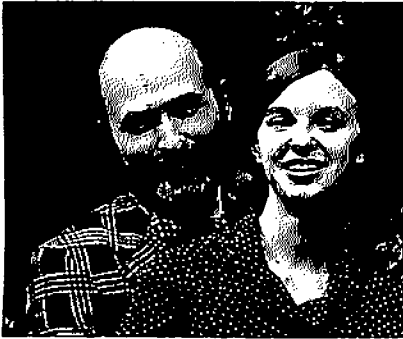
In January I terminated a period of time on the Council of the NINCDS which has been most enjoyable. When I first went on the Council Lyle French was still a member and Art Ward succeeded him. Sidney Goldring has come on the Council following my departure.

This experience certainly has been educational and very interesting indeed. Certainly the NIH in general and the NINCDS in particular need the continuing support of all of the members of the Academy who are interested in and involved in research problems affecting the nervous system.

Let me assure all that the staff in Bethesda, from Don Tower on down, are very dedicated people indeed. We in the neurological sciences are fortunate to have them there to pursue this work.

At a recent meeting in Philadelphia it was my pleasure to hear Doctor Eustace Semmes and Barnes Woodhall reminisce about Walter Dandy. Doctor Semmes has a certain degree of responsibility for the inception of the Academy. At 92-9/12 years he is as alert and bright as any member of The Academy, active or senior.

Barnes Woodhall, Doctor Dandy's most illustrious resident, gave us a very interesting reminiscence of Doctor Dandy. It was a point of view which I wish all neuro-surgeons could hear.



Edwin and Arielle

BRODKEY

It's been a busy year for both Arielle and me. Last summer Arielle spent six weeks in Egypt on a government grant studying tomb painting, and I was there four weeks taking over 2,000 photographs in the tombs. While some of the pictures have already been used in lectures and publications, she now has more than enough material to keep her busy for several years. Unfortunately, film was at such a premium for us that we took almost no pictures of the countryside or people, saving our precious supply of materials for work. The experience was fantastic for both of us and we're hoping it won't be too long before we return.

My pituitary hobby has been getting more interesting all the time as more cases are added to the series and the followups are becoming longer. This year was more or less devoted to getting out material on breast cancer. Hopefully, we can now get out some data on the tumors.

The laboratory keeps going on. We've now implanted three ICP telemetry devices in patients and have three more prepared and ready to implant. The online computer monitoring in our ICU was temporarily halted during renovations of both the ward and the equipment. Things seem almost back together, and we should be starting up again shortly.

Finally, we are moving from apartment to house on June 1, so all in all, it's been hectic year — but a lot of fun.

Also this last winter it was my pleasure to be in Reno at a Post-Graduate Session which was held in the Ernest Mack Auditorium of the Washoe General Hospital. This is a superb auditorium with a speakers console no less complicated than I would imagine is the console of a 747. The acoustics are fine. All of us share in the honor which has been given Ernie in having this auditorium named after him. He was President of the Board there for twenty-five years.

Later in the year Ernie had a birthday party but I will not comment on that — that will be his privilege.

Bob Pudenz has favored us here in San Francisco with a visit and it was possible to have a long chat with him about his current work. It is delightful to know that Bob continues to contribute to our field despite his having retired from operating room activity. It is always a pleasure to see Bob and Rita.

Helen and I are hoping to get to Montreal in September to be present for the dedication of the Penfield Pavilion. It is certain to be a tremendous occasion. I am certain that Bill Feindel will give us details in his letter.

Helen and I are still hoping that we will be able to get Munich.

With best regards to all.

Barton and Martha

BROWN

The various Members of the SFNMG are in good shape. Our Senior Partner, namely Howard Brown has halved his practice time recently, which means we only get to see him one day a week. The rest of the time he and Martha are hiding out in Walnut Creek, avoiding the dubious San Francisco joys of fog, smog, traffic and occasional mayhem, but both Dorothy and Howard send their good wishes to all the Members of the Academy.

Martha and I are gearing up for a pack trip in the Sierras. It has been several years since we got to the High Country, and this should be a good year, since California once again has water. Our packer will be a highly skilled veteran on the mountains, namely Bart, Jr. who for the last seven or eight years has been a summertime cowboy at a pack station near Yosemite.

Both Pam and Bart are students at Davis, studying something called "Range Management". In California, you might think this was a "Supervisor of Freeways", but apparently there are a few bare spots left, and the kids are aiming for them.

On the professional front, we have added a new man to the Group. He is Bill White from New York. He has proved to be an extremely able and congenial colleague. We are delighted to have him!

We continue to keep an eye on our peripheral nerve series which has now exceeded the 1000 mark. We are starting to break down some of the individual nerve groups to see if we can learn anything from them. Since the lesions are almost all in continuity, we might be able to come up with some interesting observations. This was true of the axillary group which we have already tackled, but it will be more complicated when it comes to the ulnars and medians which run into the hundreds of cases.

Howard and Dorothy

BROWN

I have very little of note to report, except to say that both Dorothy and I are in good health and that I still go to the office to do some consulting work, but have discontinued all of the surgical tasks for the past few years.



Karl and Eva

BUSHE

During the last year, the number of patients in the Neurosurgical Clinic has increased, and with it the number of operations also, totalling approximately 1,500.

Over and above, I had to take over the chairmanship of the Head Clinic of the University (Ophthalmology, ENT, Neurology and Neurosurgery) for 2 years.

Last April, Eva, our son Christoph and I attended the International C.T. Symposium in Miami, and afterwards visited Phyllis and Dick De Saussure where we enjoyed great hospitality and kindness. We exchanged clinical experiences — Guy L. Odom being visiting professor in Memphis at the same time.

I had to go to Sao Paulo alone as Christoph had to sit important exams and Eva did not want to leave him at home alone during this period of time. She was therefore unable to stop me being elected President of the next World Congress in Munich in 1981.

Our daughter Karin passed her medical exams and afterwards, Cone Pevehouse gave her the opportunity, as a clerk, to become acquainted with American medicine and medical education. She had a very exciting time, full of new experiences, thanks to the great hospitality of Maxine and Cone Pevehouse.

On her tour through the United States, the Hoffmanns in Phoenix very kindly looked after her and helped make her stay very pleasant.

Last December Eva and I participated in the Congress of the Egypt society of Neurosurgery on the occasion of the silver jubilee of Neurosurgery in Egypt. The meeting we attended, under the chairmanship of Osman Sorour, was of a very high scientific standard. There we met Ruth and Charlie Drake, as well as Martine and Jean Brihaye and Willem Luyendijk. We also visited Luxor and Assuan.

In October we will meet the friends of the Academy at the Joint Meeting in Munich.

Eva and I hope that a lot of our friends will visit us during the postcongress tour in Wurzburg. We look forward to seeing you.

Kemp and Fern

CLARK

Like the change of the calendar or the arrival of the new Form 1040, your letter is a harbinger that another year has passed. It's been quite a year for the Clarks. First, the family news.

Our daughter, Sarah, graduated from Colorado College with a combined major in art and biology. She intends to pursue a career of biologic illustration and has done a number of the animal identification plaques for the Cheyenne Mountain Zoo. Should you be in Colorado Springs and go to the Zoo, it's easy to identify the ones she has done because they carry the initials SBC. One son, Jonathon, graduated from the Fessenden School and is headed toward Pomfret for the rest of his preparatory years. Florine remains happy at Brown University where she will enter her senior year in the fall. Blair returns to Pitzer College for her Sophomore year. Peter has had a fine year in the Mountain Valley School, also in Colorado Springs. It has been nice to have two Clarks in each town, as they can give mutual support and help to each other, and we have twice the fun when we visit.

It has been an interesting year since we've had no children home. Fern has been able to travel with me whenever she desired. This has certainly made my life much more pleasant.

Professionally, I completed my tour as Chairman of the Board and was promptly elected to the Board of the AANS. This resulted in a hiatus of one week in which the only Clark person on a Board was Fern, on the Goodwill Industries here in Dallas.

The Department continues to grow, with the addition of Dr. Duke Samson and Dr. Ed Neuwelt. Duke has been placed in charge of the vascular disease and has developed quite a reputation as an aneurysm, AVM, and ECIC surgeon. We are currently doing approximately one aneurysm a week and one to two ECIC's.

Ed Neuwelt has come on board to develop the brain tumor research and advanced therapy. Ed is an accomplished immunologist and biochemist and a superb surgeon and teacher.

Fred Sklar continues to build a large, active pediatric service, and Paul Cooper is working still innovatively in the field of head injury.

Some of the contributions that have come out of these individuals include Duke's participation in the cooperative study of aneurysms and the cooperative study on ECIC. Fred continues to produce interesting literature in the area of pressure volume relationships within the head. Paul Cooper has shown the importance of serial CT scanning in patients with head injury and the continued value of pressure monitoring. The data is not in yet on whether steroids are really beneficial or not. Paul and I are preparing a book on cervical spine injuries, capitalizing on the enormous number of these which we see at Parkland. Ed Neuwelt and I have completed, and it should be published shortly, a book on clinical immunology. All in all, a busy and productive year.

Bill and Gwen

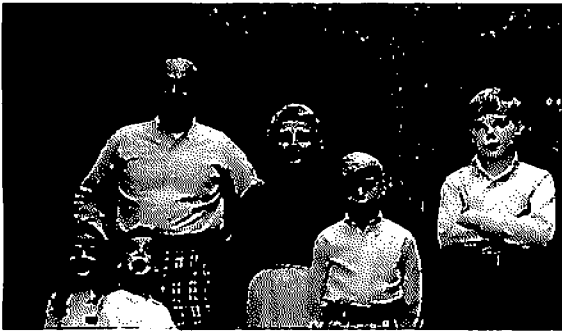
COLLINS

It seems time moves faster and faster, both professionally and personally. The neurosurgical service at Yale continues to grow, both in its research capabilities and its clinical duties; and we with the School are in the discussion stage concerning the possibilities of developing a Neuroscience Department. Gil Glaser, Professor of Neurology, and I have worked closely since I came to Yale to improve teaching, research, and service in the School, and I think we have been more successful than either of us could have been alone. This cooperation has included combining a ward for combined clerkship to the students, which has been most popular; as well as development of different capabilities in our laboratories, including personnel and equipment to try to have a wide coverage for residents, staff, or students who wish to do research in the nervous system. We utilize each other's research facilities and personnel, and have developed clinical laboratory programs concerned with pituitary, spinal cord trauma, stroke, pain, and epilepsy. We, in combination, thwarted an administrative decision a few years back to place neuroanatomy in the Department of Surgery; and the result has been a new Section of Neuroanatomy, which looks very promising.

Present discussion centers about the increasing diversity of the basic science departments as they relate to the needs of medical students, with more emphasis by them on molecular biology and increasing deemphasis on systems physiology, functional anatomy, etc. I'm certain the situation is not limited to Yale, for I've seen it in many other schools; but its solution is probably as diverse as the places the problems arise. As I've mentioned before, Yale is a very verbal institution, and I find it difficult at times to argue with people I respect when their opinions are so different than mine. The question really is how influential in curriculum, promotion, and appointment should outstanding neuro-sciences be when they disdain aspects of their craft that we as clinicians deem

necessary in medical school teaching. Certainly, without these outstanding people the academic environment at Yale would suffer, but with them I think the ability to have a rounded education for our medical students is impaired. This extends also to our residents. The development of our research laboratories in neurology and neurosurgery has brought together a core of scientists who have a closer relationship to the needs as I see them for both the clinician doing research and the medical student trying to learn medicine. It has also allowed us to get close cooperation from a group of basic neuroscientists who are outside the direction of their departments, and give them some protection as well as a forum for their work. It appears to me that rather than stopping the direction of molecular and submolecular studies in neuro fields, that I think will eventually help solve some of our problems, the development of basic sciences as a section in a clinical department may fulfill the needs of the school as well as the needs of clinical neural departments. We're attempting it. The cost is high; grants, as you know, are difficult to get, but we'll see how it goes.

The personal growth continues, partly in the waistline, but mainly with the expectation of being a grandfather next fall. Gwen and I are both very pleased, but it does seem almost as impossible that this stage is being reached as that I would have to answer to a query of our oldest son when he was very young in the affirmative when he used to say, "Are you all grown up, yet?" I guess I'm all grown up. I hope to see the members soon. By next year perhaps we'll get a picture in the letter.



**Edward and Elise
CONNOLLY**

The Connolly family has had a busy, active, and happy year. All the children are now in school all day which gives Elise some breathing time. Basketball, tennis, swimming, and skateboarding are the major Connolly pastimes, with the Number 2 son pushing Dad hard to get a fishing boat.

The \$56,000,000 expansion of the Ochsner Clinic and Foundation Hospital has finally been completed. It was difficult living through the expansion project but the end result appears very attractive and the needed space is most welcome. The Ochsner Foundation Hospital expanded from 360 beds to 520 beds, and the staff has increased from 120 full time staff to 167. The most attractive feature of the enlargement was the expansion from nine major operating suites to 22. Ochsner Foundation has also taken over the 108 bed New Orleans Eye, Ear, Nose and Throat Hospital this past year. This is located in downtown New Orleans near the Tulane and L.S.U. Medical Schools and Charity Hospital.

Elise and I enjoyed seeing many of you in New Orleans during the past American Association of Neurological Surgeons meeting. As the Local Arrangements Chairman and Chairwoman, we loved having everybody in New Orleans but we loved even more seeing everybody leave at the end of the meeting. Elise and I both agree that the way to go to a meeting is at the Mauna Kea with the Academy — not in your home town. We hope to be able to join the Academy in Germany this fall but, as yet, our plans are still very tentative.

Jim has only one year more to go in medicine in Dublin and will likely do his house jobs in Canada. Jane finally managed to get a job in an art museum in Dublin for it seems very hard for a non-national to get work in Ireland.

Tom, the youngest, is still in engineering at Toronto and does not seem to have noticed the girls yet.

Steven is graduating in economics from Trinity College at the University of Toronto today. Ruth and I are just about to drive down for the ceremony. He is a keen fisherman and I decided to take him to the Miramachi in New Brunswick to try for the Atlantic salmon on the fly. Charlie Brackett is coming along too. Charlie worked his heart out for the A.A.N.S. and for me last year and I wanted to introduce him to the Atlantic salmon and show him that they are even more than his favourite muskellunge. Our guide called me last week to tell me he had just taken a forty four pounder on a cosseboom. I do not suppose we will have that luck but I would give my eye teeth to see Charlie on the other end of a line with a big salmon on it.

Owing to some commitments, I am having trouble with getting time to go to Munich although I would early like to attend the meeting with the German Society and of course to see the site of the W.F.N.S. meeting in 1981.

Hans Erich und Karin

DIEMATH

It seems to be very difficult for us to take part in any of your meetings even when they are held as near by as Munich. We do regret very much not to be able to come to this event, but at the same time the "Van Swieten Congress" will take place in Vienna and we are really forced to go there as the president is from Salzburg and almost only colleagues from our city have to run this congress. But we do hope for sure that if we are back in time to see many of our dear old friends in Salzburg.

In the meantime many things happened here. The most important event at first, Karin has got a very nice little baby girl, our Maren Christina, who by now will be almost two years old and she of course is the luck of the family.

The hospital life goes its routine way, at the end of the year 1977 we enlarged for ten more beds, so we now have 50 beds, which are necessary by an operation number about 1,000 operations a year. In tumor surgery we follow the way we have been practising for years — the local postoperative treatment of cytostatics together with different oncological shemata. Furthermore in neuro-traumatology we are trying to better organizing methods, questions of transportation etc. and there is just an experiment going on a certain model — besides we persue a project on bettering of safety helmets.

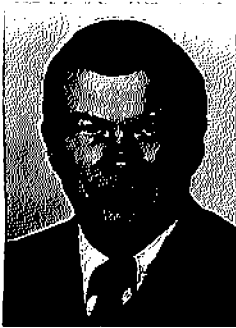
On October 1, 1977 the Congress of the Austrain Neurosurgical Society was for the fifth time in Salzburg — the theme: "Die Bandscheibenschaden der Halswirbelsaule" (The defects of intervertebral discs of cervical spine).

The call to run for the department of neurosurgery in Vienna I turned down because in Salzburg not only the quality of life is better but also the hospital is more modern than in Vienna, where the new building only is expected within a few years. And above all, the whole family has been strictly against a change to Vienna.

Karen, our eldest daughter, has almost finished her second year in medicine in Graz, our home University, and our boy Hans Peter survives in college and Maren Christina, our little one explores her surrounding.

Another news is our buying an hereditary farm with cattle, which was extremely difficult because normally only farmers have the right to gain land. The farm is situated 6 km north from the Mondsee, known by many people by the film: "Sound of Music". We are all happy about our farm and we have many plans.

We do wish all our friends the best and we do hope nevertheless to see some of you in Salzburg.



Charles and Ruth

DRAKE



Last year was an eventful one for me with the job in the A.A.N.S. It might best be described as a form of convulsion perhaps status, in view of the time spent on the telephone, writing, meetings, brush fires and trying to get through the mountain of correspondence from the Washington office. Those of you who have done it will know of what I speak as well as the deep concern about the address whose content and writing consumes much of one's time and thought especially in deciding just how far one can go.

I have given some thought to the World Federation and whereas others harboring much larger memberships appear to be in trouble, that in neurosurgery is small enough that I think it will continue to be a satisfaction to us in international exchange of information and friendship which is not unwelcome these days.

As I said last year, Ruth and I are alone now except when the boys return from university in the Summer. She has gone back to work but not as a nurse. She looked into retraining but the job situation in Canada for nursing is poor for nurses are in surplus. She therefore works as a coordinator on a part time basis, as she is needed on the wards of this University Hospital and seems to enjoy it. She also went back to university and has been taking a course in French. The exam times around our house are a trial and each time she is certain she has failed but managed to finished the year with an "A".

John, age 32, apparently continues to show promise in the courtroom and seems to be in high demand in his firm. Our grandchild, Jonathan is the light of Ruth's eye and she is in constant demand as a sitter for John and Marybeth.



**Stewart and Ellen
DUNSKER**



Ellen and I deeply regret that we will miss the meeting in Munich. We had been looking forward to re-exploring the Bavarian towns. However, minor developments have occurred which will prohibit us from joining you this year. We certainly look forward to seeing you again in 1979.

Our only daughter, Shiela, will be ten this summer. We are learning what most of you already know, that ten year olds today know much more than their parents did when they were ten. I can only say that it is a challenging experience to keep the lines of communication open.

Ellen continues to increase her activity in charitable organizations. There seems to be no end to the list of agencies with which one can work. In addition, she is utilizing her library talents to help the school library catalogue its back log.

My activity in the Ohio State Medical Association has increased. Various factions and groups from nurse practitioners to optometrists and chiropractors are increasing their efforts to whittle away at the practice of medicine. We have increased our cooperative efforts in working with the state legislature to prevent untrained individuals from practicing primary care. We also worked desperately hard to prevent a law that would require all motorcyclists to wear helmets from being repealed. However, the forces of "individual freedom" won and it is no longer mandatory for cyclists to wear helmets in the state of Ohio. Most recently I was elected to represent the Ohio State Medical Association as an Alternate Delegate to the AMA. In that way I hope that we can increase the effectiveness and coordination of the Nuerosurgical Section.

John Tew assumed the directorship of the residency program and has had an exceptionally fine first year.

At Thanksgiving time our son Bruce, who is a neurosurgery resident with David Kline in New Orleans, married Mary Rita Garrety in Glenview Illinois, and then after the holidays Lari and I attended a neurosurgical meeting in Acapulco and then later in the spring the Southern Neurosurgical Society Meeting in Winston-Salem where I served as President. At the beginning of June we were out in San Francisco for the meeting of the International Society for Study of the Lumbar Spine where I was made President Elect. Before we attend the Academy meeting in Munich we will have been to our Travel Club meeting in Nashville and the Executive Committee Meeting of the Neurosurgical Society of America in Columbus, Ohio with Bill Hunt as host.

Having been head of the Division of Neurosurgery at Baylor for some twenty years I decided to set a proper precedent by tendering my resignation effective on my sixty-fifth birthday in February of next year. A Search Committee is looking for a first class man who will be head not only at the Medical School but in the affiliated hospitals (thus drawing to an end the stultifying system of parallel chiefs).

Rather than retiring I am returning to clinical practice by taking in as associates one of my own trainees, Richard Harper and one of Eugene Stern's, Robert Levinthal. The three of us intend to offer a full range of general and specialized neurosurgical surfaces including microvascular anastomoses, transsphenoidal hypophysectomies, stereotaxis, and pediatric work with a view to taking on additional men of high quality from time to time to enlarge the group.

Lari and three of her fibre artist colleagues here from Houston are exhibiting at the Smithsonian in Washington in September. My daughter Melanie is entering the University of Texas Medical School in the fall. Brian, our Army officer, will be in Germany by the time we meet there and we expect to see something of him at that time. Scott, our youngest, has just finished his first year of college in Austin and has a summer job working from 6:00 p.m. to 6:00 a.m. as a welder in a metal fabricating plant. George and Margo, our other married children, are still living in Dallas. Nikki is at the Museum and is going to accompany us to Munich to inventory the museums in that neighborhood.



George and Lari

EHNI

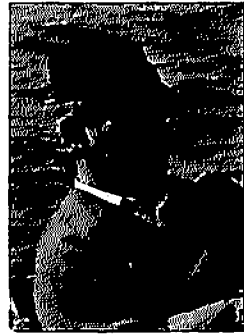


Enclosed are a number of transparencies that you may want to use for THE NEUROSURGEON if you can make decent black and white prints. The scenic view from the breakfast terrace, the photograph of the members during coffee break at the foot of the stairs, and the beach scene require no particular explanation. On the other slides I have written the names of the subjects, and they require no comment except for the two slides of my wife and I on Rarotonga which I shall explain in the following paragraphs for you to use as news letter material.

Rarotonga, the largest of the Cook Islands (20 miles in circumference with a population of about 9,000 Maoris) was made accessible from Hawaii via Air New Zealand in April of 1977 and is just about the only Pacific island left that has not been developed in some way or another to accommodate American and Japanese tourists. Lari and I decided to go there after the meeting at Mauna Kea and arrived there after a five hour flight almost directly south of Honolulu. We spent six of the most enjoyable days of our lives on this small island during the course of which we walked, scrambled, and climbed from one side to the other, enduring a rain storm in transit. The photograph of Lari shows her coming out of the jungle after she had dried out a bit. The photograph of me shows me enjoying a bottle of New Zealand beer in the seaside courtyard of a little motel. The building in the background is the next to largest building on the island.



**Joseph and Hermene
EVANS**



Another year has passed since John Garner's last call, a year happily blessed with good health for Hermene and me and filled with much travel. Chief trips were: 1) European last fall: Geneva (to visit briefly Mary and her family), Koeln (to attend and to give a paper at the German Neurosurgical meeting), to London (to attend the combined British and Canadian Neurological Society meeting), Liverpool (to attend a symposium at the School of Public Health on medical care at the periphery), Dundee (to attend the British Neurosurgical Society meetings), Glasgow (to meet the family of our Calgary daughter Willi's husband). 2) Six weeks in Latin America to visit all the College Chapters and to attend to other College business: Guadalajara, Caracas, Bogota, Medellin, Quito, Guayaquil, Lima, Buenos Aires, Santiago, Rio de Janeiro, Sao Paulo and finally Panama. Hermene was wise enough to remain in Medellin with Caroline and her family.

I can report that College and Chapter health in Latin America is well and strong. Surgery in the major cities is well done in many instances. My great concerns are distribution of adequate care to the periphery, not unlike the United States and Canada, and the virtually uncontrolled admission to medical schools, a policy which is in my opinion bound to undermine medical standards. The upward mobility pressure is great and the politicians fail to recognize that they must resist it. If reluctance to fly with inadequately trained pilots is justified so also a nation's health demands equal concern. Nowhere was this better understood than by the Chilean Minister of Health an Air Force General and himself a pilot.

Recently there was a very pleasant trip to Cincinnati to Frank Mayfield's "shop" and to Philadelphia for the meeting of the Society of Neurological Surgeons where Pappy Semmes and Barnes Woodall spoke to the contributions of Walter Dandy. The program was excellent, though I missed a bit at the beginning and at the end. Friendships take on an additional meaning as one grows older.

Our tendency to mobility is manifesting itself again. Anne, our third daughter, and her husband Claude Lanctot are moving to Washington. Claude, a McGill graduate and an obstetrician and gynecologist by training, with a Master's in Public Health from Harvard, has been on leave from his academic post at Sherbrooke. He has developed an international program the past five years or so for the Natural Family Planning movement. With recognition now by WHO and HEW of the need for alternative methods, the time has come to establish a Washington Office. They have found a blevel house in Kesington, Maryland (10204 Frederick Avenue, Kensington, Maryland 20795) and have asked us to share this with them and their four girls, aged 14 to 7. We expect to join them October 1st and look forward to the future.

Though I had intimated in my last that my affiliation with the College would probably cease at the end of this year such is not to be the case. Actually there will be certain advantages in my assignment in being in the Washington area.

To conclude this long epistle. Our boys are all well. The next generation is doing well and the stalemate at 22 grandchildren is about to be broken. And so life goes on. Sorry not to be in Munich. The meeting follows too closely upon the Clinical Congress, following which Staff always have details to attend to.

Bill and Faith

FEINDEL

The past few years at the Montreal Neurological Institute and Hospital have been occupied with our program of expansion and renovation. The Penfield Pavilion, as I write, is nearing completion and will be officially opened in mid-September. A nine-storey structure with extension of all our services from the present Institute will provide three new Operating Rooms, an Intensive Care Unit, three floors for research laboratories, experimental animal quarters, our computer unit and radio-isotope projects as well as rooms for our full-time researchers and clinical staff.

We have taken on new recruits, including Barbara Jones, working on the locus caeruleus by new anatomical tracer techniques; Daniel Guitton, with a double Ph.D. in Engineering and in Physiology, who has developed a magnetic field device for tracking eye movements in patients; Serge Gauthier who is examining adrenergic substances in a series of neurological patients; Robert Dykes who took his Ph.D. at Hopkins and has produced some elegant work on unit cell evoked potentials for mapping the primate sensory cortex; and Luis Quesney who has just completed his Ph.D. and is joining Peter Gloor in EEG and Clinical Neurophysiology to work with our computer team.

The Federal Government supported our expansion project, identifying it as a project of national importance. This is not a great revelation to us but may be to others. It points up the fact that the Institute remains the only Canadian neurological institution of its kind and continues to have the largest concentration of neurological and neurosurgical beds and the most active group of clinicians and neuroscientists in these parts.

As a result of three planning symposia which we had during the past five years, the direction of the Institute and Hospital has been more clearly defined and related to some of the directives from the Ministry of Health which we must necessarily recognize. Our epilepsy program has been expanding at a steady pace. Ted Rasmussen has contributed immensely

to maintaining excellence in this area. Our research team in the Cone Laboratory has had the excitement of being in at the pioneer level with positron emission tomography. We have examined some 300 patients with this device and the Brookhaven National Laboratory unit which was loaned to us for clinical application has just now been replaced by a new and better model, using bismuth germanate crystals. The principle of the positron is that it combines with an electron and then splits into two photons which radiate back to back along 180° . This allows a system of coincidence counting by paired detectors to map out exactly the site of this radio-active split in any particular part of the brain. This built-in localization is much more precise than anything obtained from usual gamma-emitting tracers. We can make a steady-state scan rather like the old-fashioned isotope scan but on a horizontal cut that can be compared directly with the CT scan. But an even more promising aspect of the positron device is its potential for physiological studies since many substances such as neurotransmitters or anticonvulsant drugs can be labelled with positron emitters and their distribution and turnover identified by positron scanning. We are fortunate in having the McGill University cyclotron just across the corner, which produces Krypton⁷⁷ to give us beautiful images of the microregional blood flow. Already the method has given us CBF data before and after surgical by-pass in patients with arterial occlusive disease. The fact that the blood flow can be measured by an inhalation technique, avoiding carotid puncture and at the same time giving an overall topographic mapping of perfusion flow that can be repeated quite frequently, offers many advantages.

Gilles Bertrand continues as our staunch Neurosurgeon-in-chief and is also President of our Council of Physicians. His pituitary series continues to provide some of the most elegant endocrine findings in conjunction with the research group at the Royal Victoria Hospital in which Dr. George Tolis, a young Greek researcher, has been especially active.

In the family, our oldest son, Christopher, is in his third year of Surgical residency at Charlie Drake's Surgical Department at the University of Western Ontario. I am hopeful that Charlie Drake and Skip Peerless will expose him to their fine neurosurgery. His wife, Susan, is finishing off her Master's degree in Fine Arts with a thesis on Canadian painting. Of three daughter, the eldest, Pat, is in photographic and video media, the middle, Janet, in theatre, and the youngest, Anna, in a Nursing program. Our second son, Alex, is a scholar in Chinese and has married a delightful Chinese girl from Hong Kong, Yuen-Ling, and Mike, our youngest boy, is floating between university sessions, enjoying literature, theatre, music and doing all those things which frustrate parents' ambitions and which make us, at the same time, envious that we did not take such an opportunity ourselves when we were his age.

We are all looking forward to the opening of the Penfield Pavilion this fall and hope that as many of the Academy members as possible will be joining us at that happy time. Until then, or until the Munich meeting, Faith and I send our warmest regards to all Academicians.



Connie and Bob

FISHER

We have had a good, solid New England winter in New Jersey with roughly 60 inches of snow. The temperatures were correspondingly low — we were snow bound two mornings and the hospital came to a standstill except for emergencies which did get through. Connie and I are birdwatchers and we were surprised to have Red Polls, a bird from Labrador, "wintering" with us.

I have resigned my position as Chief of Surgery at one of the affiliated hospitals of Rutgers in order to go geographic full time as Chief of Neurosurgery at the Medical School. We have hopes of establishing services in Neurological Surgery and Neurology and will try to incorporate the Neuroscientists from both Princeton and Rutgers in order to give students and all varieties of residents that background needed to understand all the problems existent in approaching this field so difficult to so many of our colleagues.

I lost my Dad who was 86 and Connie lost her Mother who was 94 — both in one week. This was somewhat unexpected despite their ages for we anticipated they would keep going for some time. Dad and I had a lot of fun, particularly in the early stages of radio. Dad sang and I accompanied him on the piano during the 20's and 30's. It seems Dad sang at every church in Central Jersey, particularly at "Harvest Homes", and I was his accompanist for years.

The kids are all well; Bob is coming to live with us. He believes he can further his musical education much faster in New York City than the Southwest. We skied this winter with Bob and Dave at Colorado.

Connie and I are most anxious to go to Munich with the Academy. This meeting with the Germans should be "gemutlichkeit".



Eldon and Kay

FOLTZ

I have not written to *The Neurosurgeon* for sometime, largely because I have felt somewhat embarrassed to follow my last letter with a report which would illustrate to any sane person how many windmills I have been pursuing and charging since moving to University of California, Irvine from Art Ward and the University of Washington! We moved south with the intent of building a clinical neuroscience unit of merit, and we have succeeded to a certain extent in this regard, but our achievements in clinical neuroscience teaching have been considerably less than I had hoped we might attain. Nevertheless, we have a collaborative medical student teaching program which is comfortable and effective, but our integrated activities with our neurology colleagues are considerably less than I had hoped they might be. We have finally developed a comfortable relationship with the neurology faculty itself, however, but that doesn't mean such a relationship is as good as I had hoped and so we have learned all over again that life is made up of a series of goals which we set for ourself, which we attempt to attain and find unobtainable because they were unrealistic, and then settle for something less than what we had dreamed of!

The UCI College of Medicine appears to be a permanent structure, now, however, — and I guess that is really very good news. Two and a half to three years ago we weren't sure we were going to survive as a part of the University of California system. However, we did survive and two years ago the old Orange County Medical Center became the University of California, Irvine, Medical Center — with all the disadvantages and practical problems of a county hospital with superimposed university aspirations! That conversion, however, has produced a financial base for our Division of Neurological Surgery which we did not have before, since we now have a budget which is supported by departmental patient income from this hospital which allows us considerably more freedom

for development than we had previously. I can't begin to give enough credit to Dr. Don DeFeo, who graduated from our residency program three years ago and has remained on the faculty as an Assistant Professor since then. He is a very bright hard-working young neurosurgeon with considerable clinical expertise and an ability for hard work which has been essential for our basic development for the past two and a half to three years. This July, John Kusske joins our group at UCIMC from the VA Hospital where he has been working with Bill Porter for the past four years as Assistant Professor. He is now an Associate Professor and his interest in epilepsy and the sensory system, including his superb ability in electro-physiologic research, continue to be a major asset. Bill Porter continues as an exceedingly effective Chief of Neurosurgery at the Veterans Hospital Long Beach, the other major hospital in our medical student and neurosurgery residency program. Dr. Rajendra Tiwari, from Bob King's program, is the fifth neuro-surgeon in our group in these two hospitals, his interest being particularly in spinal cord injury.

Here at the UCI Medical Center we have developed an Intracranial Dynamics Laboratory for investigation of hydrocephalus in dogs and cats. With the help of the Schulte Research Institute (Heyer-Schulte hydrocephalus shunt systems), we have developed a considerable research program in experimental hydrocephalus and new therapy methods. We have developed a consistent method for producing hydrocephalus in the experimental animal with intracisternal kaolin. This mimics much of the clinical basal arachnoiditis type of hydrocephalus. After considerable effort, we feel we now have a reliable method of producing a transcerebral fistula from the right lateral ventricle in these animals to the hemispherical subarachnoid space whereby CSF from the ventricle in hydrocephalus can be conducted to the subarachnoid space and the absorbing pacchionian granulation system, thus obviating the need for external CSF shunts. This has worked in the laboratory and we are just ready now to start our first clinical trials. I must say that the methods for sealing the arachnoid over the fistula we produced by operation has proved to be a bit of a problem. We initially began by closing it with very fine sutures, using microscopic techniques, and have now converted to a nonsuture method which experimentally is rather exciting. We expect to have a series of papers on this particular topic for publication very shortly.

John Kusske has done some exceedingly good work with our senior resident, John Hutchison, in the electrophysiology of the sensory system. John Hutchison won the Western Neurosurgery Society Resident Award this past year. "Hutch" is joining Paul Turner at the University of New Mexico in Albuquerque in a matter of a week or ten days as an Assistant Professor at the new University.

Kay and I continue to enjoy Southern California lifestyle with gusto. Kay has become involved with our youngest daughter Patty, 16-years-old, in the horse business. Patty is training jumpers, and Kay has her own business called "Kay Barns" in which she owns portable barns and corrals which she leases to the riding stable. It is a neat way to get a tax write-off for an expensive avocation of ones young daughter! Patty is a superb rider and deserves her parents full support, however.

Kay and I have been exceedingly sorrowed by the loss of Jim and Lona Atkinson. We were involved some with John Green during the three days in which their whereabouts was unknown. Their plan crash is within sight-line of my daily travels, — on Santiago Peak in the Santa Ana Mountains. At the time of their crash on February 12, 1978, we were having very severe rain and thunder storms and as some of you know we broke the all-time record for rainfall in Southern California during the first four months of this year. It was in one of those storms that Jim and Lona crashed and were both killed. It is, indeed, a sad loss to us all, but especially to John and Georgia Green in Phoenix. I had been working with Jim on some of our continuing interests in his intracranial transsensor project and we had become closer since his days as a resident in Seattle. He lives on a farm and has the life we all wish we had at times!

The College of Medicine at UCI is steadily developing. We have our first major building on Campus, Medical Science I, opening in September. This is a major step forward for our school which has had many growth pains and considerable difficulties in all categories. It seems we may well be stabilizing now, however, since we have our own hospital and a big research building. The latter is on Campus which is far from ideal, and that is 15 minutes away from the hospital. We still feel we may have a hospital on Campus in the future, but the future of building in the University of California System is certainly clouded and uncertain. Some of you have undoubtedly heard about the faculty uproar here at UCI College of Medicine, in which a number of departmental chairmen have been deposed, etc. The news you hear is not all bad, but certainly it is not all good—and probably what you have heard is true!

Kay joins me in wishing all of the Academy members the very best of everything and we look forward to the next meeting with the usual high anticipation.



**Richard
FRASER**

Russel Patterson, I, and Irvin McQuarrie who joined our clinical staff last year have experienced a busy and occasionally hectic time on the New York Hospital-Cornell Neurosurgical service. Despite Bronson Ray's and Howard Dunbar's retirements, we have sustained the same operative load and increased it in some areas. A new Neurosurgical-Neurology I.C.U has just been completed and is already filled with patients. The integrated floor care system—combining neurology and neurosurgical patients has withstood the test of four years now and, despite some drawbacks, clearly provides a better level of patient care than the old system. I think other clinics could usefully apply this arrangement. I would like to see further integration at a resident level — and think that Neurology residents would find their clinical education enhanced by a rotation on the Neurosurgical service.

I have just returned from an attempted climb of Mt. Ranier — and now fully understand the addiction to this pastime that alpinists display. We were forced to stop short of the summit (14,500 ft.) because of avalanches — which resulted in a fatality amongst the only other group on the mountain. Despite this it was an extraordinarily exhilarating albeit grueling experience — one that I hope to repeat soon.



Lyle and Gene

FRENCH

I guess the big thing that has happened in this French family during the past year is that our youngest child, Barbara, was married; this was in October of 1977. I'll enclose a picture of the bride and her father, if you care to print it. We had the wedding at our home and with the good graces of the weather, the joint supervision of both Barbara and Gene, everything went off very, very well. She is now living in Rockford, Illinois with her husband, Bobby Green.

Gene and I seem to keep very busy right here at home even though we try to get away more frequently and for longer periods of time each year. I really think the reason we don't is that we are both slowing down. When we do get away, we try to get out to Southern California where we visit with some of our colleagues such as Jack French and Hunter Shelden. Both Gene and I enjoy it very much and I must say it is a real change from Minnesota, especially in the winter.

The Department of Neurosurgery here at the University is going very well. Shelley Chou, of course, is the head of it and I think is doing an outstanding job. It is my impression that running a department is getting more difficult every year. In part because of funding problems, but also in part because of changes in attitudes of trainees. They tend to be more legalistic than in the good old days. I am really not certain that this is for the better; in fact, I think that it consumes time which trainees up to recent times have spent in scientific endeavor. I presume we here at Minnesota, however, are no worse off than the rest of you around the country.

My job as Vice-President in charge of Health Sciences here at the University seems to be going along well. As you know, the first number of years were consumed with programmatic planning and the next with obtaining adequate facilities as well as putting those programs into practice. These have pretty well been consummated at the present time, although I really think that planning in an institution such as this goes on *ad infinitum*. Next week I go down to be part of the graduation ceremonies at the medical school at Mayo Clinic and I hope to spend a few days with colleague Collin MacCarty. Contained herein also is a photograph of Gene and myself boating on the Mississippi. Obviously, all of our time isn't taken up with work.

With best regards to everyone.





**John and Barbara
GARNER**



The Garners are fine. Fortunately this has been a year without particular upheaval or change. We were, of course, shocked by Maxine Pevehouse's death and it is hard to realize even now that such a vibrant, intelligent and vivacious friend is no longer with us.

We are looking forward to the Munich meeting and hope to see all of our friends there.





John and Georgia

GREEN

The year has been a difficult one because of the tragic plane accident on February 12, 1978 claiming the lives of Lona and Jim Atkinson. We greatly appreciate the very sympathetic letters that so many have sent to us, and particularly having Eldon Foltz come from California and Bill Sweet come from Boston for the memorial services. We are setting up a James R. Atkinson Memorial Research Fellowship in Pain and hope to have enough money to activate this within a year.

Since our last letter to The Neurosurgeon quite a bit has happened on the happier side of the ledger. Charas Suwanwela visited us in September (1977). I was greatly impressed by the William H. Sweet Day in Boston on October 1, 1977 commemorating his years as head of the department, his fantastic productivity and his multiple and diverse interests and friendships. Nick Zervas handled his role as successor admirably. The annual meeting at the Mauna Kea Hotel in Hawaii measured up to our expectations both scientifically and socially. John and Katie Lowery were the perfect arrangers. We were particularly happy to have our 20-year old daughter, Gretchen, with us.

The annual BNI Symposium in January 1977 was on the subject of Complications of Nervous System Trauma and proved to be very successful, thanks to an outstanding faculty. Academy members who participated this year were Don Becker (Physiological Monitoring of the Head Injury Patient), Earl Walker (Advances in Death Determination), and Frank Mayfield (Cervical Spondylitic Radiculopathy and Myopathy). Each were well-prepared and made lucid contributions. Bryan Jennett and Sir Sydney Sunderland were our foreign guest stars and not only were excellent Symposium participants but spent a lot of time in the BNI with our staff and residents (as did Frank Mayfield) and this was appreciated. I am enclosing a photograph of Sydney Sunderland, Frank

Mayfield, my associate Al Sidell, and me. Bryan gave the Sally Harrington Goldwater Memorial Lecture the following week on "Predictors of Outcome in the Evaluation of the Comatose Patient."

The 1979 BNI Symposium will be at Camelback Inn from January 18-20, 1979. The subject will be on Critical Care in Neurology and Neurosurgery. I hope to see you there.

We have three new members of our staff to mention. On April 1, 1978, Andrew Shetter joined us in the Division of Neurological Surgery and as Director of Neurosurgical Research Laboratory. Andy was the Academy Award winner in et al when Jim was killed. With a lot of help, particularly from Bill, Andy was released from the Mixer Laboratory and from the Berry Plan, so that he could come back to us and carry on his, Jim's, and our interests. He is doing this admirably. The second individual is Dr. Dan Pollen who will complete his activities in Boston within the year and start with us on or before June 1, 1979 as Chairman of the Division of Neurobiology and Director of Neurological Research. He is currently Associate Professor of Neurophysiology in the Department of Neurosurgery at MGH with some background in both clinical neurosurgery (at Montreal) and neurology (at MGH) in addition to a broad experience in neurosciences. He will be supported salary-wise from endowment and project-wise from grants for the most part. He is assembling his team. Therefore, we should have a renaissance of investigative activity this next year. The third individual is Peter Raudzens. He joined Lisa Wilkinson in the Division of Neuroanesthesiology six months ago. He was MNI-trained (when she was there) and has been in Toronto since. He has research interests in brain stem auditory, visual, and somatosensory evoked potentials and is proving to be outstanding in every way.

I spent three interesting days in Pittsburgh with Peter Jannetta this spring. I also enjoyed visiting with Stuart Rowe and Tony Susen. They have an excellent show in their center. I made a few talks, participated in the conferences, and learned all I could about microvascular decompressions. Frankly, I was somewhat skeptical. After seeing a number of operations, tapes, and talking to a number of patients, staff, residents and nurses, I'm really impressed that Pete is doing a lot of good. I know that some of my good friends do not believe him altogether, but he deserves the test of time and of having his work verified elsewhere. To date I have not had a patient with trigeminal neuralgia that I felt his procedure was indicated for but have had two highly successful results following microvascular decompression of the entry zone of the facial nerve into the pons for hemifacial spasm, without any deficits postsurgically. You just can't beat that from the patients' viewpoint.

Tom Langfitt was a great host for the Society of Neurological Surgeons meeting in Philadelphia. The program was excellent. The social highlight for me, at least, was Bobbie's surprise 65th Birthday Celebration for Ernie Mack. Many of his oldest friends were there and the stories mounted with the evening.

I provided the Annual Neuroscience Day Lecture in June at the University of Arizona College of Medicine. We are working on a closer liaison between the BNI and the medical school in that we have quite a bit to offer one another. My plans for early fall include participation in the Epilepsy International Symposium in Vancouver with a presentation on Partial Epilepsy of Supplementary Motor Area Origin, and to go for the opening of the Penfield Pavilion in Montreal.

Georgia and both children are well and busy. We're in the process of completing a condominium at Pinetop Lakes in the White Mountains of Arizona — elevation 7200 feet, with tennis, golf, fishing and sailing in the neighborhood. We'll miss you in Munich because of our schedule this year.

**James and Mary
GREENWOOD**

Since giving up surgery, I have been practicing as a neurosurgical consultant, doing some work also as a medico-legal advisor and seeing some industrial problems in neurological surgery. I have no intention of retiring as long as I can be useful, and Mary agrees with me on this.

I am still Chief of Neurosurgery at the Methodist Hospital and surgery continues active and strong with George Ehni doing the work as Chairman of the Service at Baylor. Eventually there will be a full time chairman at Baylor who will function also as Chief of the Neurosurgical Service at Methodist.

My interest in vitamin C continues with the rapid development of new knowledge. This fascinating substance, which is not a vitamin at all but is used to hold the body together as part of the intercellular ground substance, is used by the white blood cells in fighting infection, preservation of the joints, including the spinal discs, and is essential for the action of the adrenal glands in combating stress. I made a trip to Palm Springs in March to take part in a commemorative congress on the 50th anniversary of the discovery of vitamin C and was pleased to meet Albert Szent-Gyorgyi who still very active and a fascinating person. Vitamin C was used by McCormick, a Toronto pediatrician, in the 1950's in massive doses of 4,000 mg. daily in infants for encephalitis. It is now being used by veterinarians in dogs for distemper, a usually fatal disease with 80% recovery and at least 60% recovery without brain damage. The massive doses are equivalent to 20 to 40 grams of ascorbic acid in 24 hours.

Mary is having fun writing a personal history of her early life in Lancaster, Pennsylvania, for the amusement of our children and grandchildren who always want to know about the old days. It is truly amazing to recount the events which have taken place in the past 50 years. the universal use of radio, motor, transportation, airplanes, television, and the phenomenal beneficial strides in medical care.

I had the honor of taking part in a spinal cord postgraduate course for Dick Schneider and his group at Ann Arbor the latter part of March, and it was wonderful to be asked again to tell of the development of spinal cord surgery, of which I have had the privilege of being a part.

Mary is currently Chairman of the Wedding Committee of our Church and takes pleasure in helping brides and grooms and their families get through the joyous ceremonies leading to a new life. We are both trying to train an exuberant and beautiful Chesapeake retriever who thinks she is a "people" or a 100-pound lap dog, whichever mood strikes her.

We are looking forward to having Professor John Gillingham of Edinburgh as our guest lecturer the first week in October.

Mary and I both send love to all of you and wish we could see you more often.

Jullan and Diane

HOFF

The year as Acting Chairman in San Francisco has finally drawn to a close, and I was delighted to have Charlie resume command. As you might imagine, he was never very far away but still did allow me to try my hand at the helm. While the financial foundation of the Department may have been shaken a bit, I did learn from the experience.

Diane, the three children and I had a terrific vacation this past winter skiing in the Sierras. The children are now all parallel skiers and likely will surpass their father's "prowess" on the slopes soon.

Refurbishing an old house in San Mateo has occupied much of the family's efforts during the past year. Working from the foundation to the roof, including walls, ceilings, etc., has been a major undertaking. The project is nearing completion and we are ready, will and able to offer our hospitality to you at any time.

Diane and I regret that we cannot attend the meeting in Munich this fall, but are looking forward to the meeting in Memphis in 1979, with much enthusiasm.

Ed and Marion

HOUSEPIAN

Despite a growing complexity of the 'trappings' of medicine we seem to stay productive by adjusting our efforts, pooling our resources and sharing our experiences. In our own department, we have seen further (voluntary) subspecialization with the resultant development of expertise in a number of surgical areas. Perhaps the highlight of the year has been the final realization of space allocation for our permanent research laboratories. Construction of our new research laboratories is finally underway. This will materially further our research training activities by providing a broader training opportunity for our residents as we move from a 4 to 5 year program. Joe Ransohoff's educationally innovative "New York Neurosurgery" Course was a great success and this Continuing Education offering will be repeated this fall. The seven medical schools in New York provided a combined faculty for over 300 registrants.

Recognizing a need, we organized a regional Basic Neuroscience Review Course utilizing P & S faculty. This also proved to be effective, well attended and will be repeated and expanded from 10 to 14 weeks new winter.

I was pleased to complete my term as President of the New York State Neurosurgical Society and was able to achieve some strengthening organizational changes before we experienced our next state level crisis.

The highlight of our family travels was, of course, the Hawaii meeting. Following on the heels of viral pneumonia and a summer withdrawing from nicotine (I'm cured) it was most welcome.

We also had a chance to visit with our oldest, David, who is currently a forest ranger at Verde Valley, Arizona (The Lone Ranger?). Son, Steve is finding his career goals at Columbia and Jean is at New York University doing very nicely in studio art, thus breaking a three generation family tradition in medicine.

A long, cold and snowy winter with 3 broken ribs earned Marion a winter vacation on St. Luica which I was delighted to share. We look forward to meeting again in Munchen.



William and Charlotte

HUNT

In the Academy Year Mauna Kea-Munich there have been noteworthy events. William W. completed his second year in Law school at Austin. Charles David survived his first year in Surgery General at NYU and will begin his neurologic surgery program at the same institution. Joe R. says he doesn't know whether he can stand it and has made other colorful and generally uncomplimentary remarks. Virginia and her husband are living on a farm in southern Ohio where members of the family have been since 1802. The stock presently consists of a variety of dogs, cats and a goat, but she hopes to find a way to make a living dealing with animals, although not to the exclusion of people. Charlotte is in the process of surviving the transfer of the New York Times from "hot type" (melted lead) to "cold type" (a computerized system). The technology is fascinating.

University Hospital is finishing its decade and a half of physical expansion by a new in-patient unit parallel to the old one and connected by multiple bridges. There will be flowers growing indoors, even as at some of the fancier motels! We have hopes that the new operating rooms will make life much easier for all concerned. I had the privilege of a recent visit to Germany to look into some of the equipment available. Joe Goodman is steadily developing the stereotactic operation here and Carole Miller is developing into one of the better teachers that we have seen in a long time. We are still, nevertheless, in a general practice of neurosurgery with all of us (presumably) able to wear more than one hat.

The Spinal Cord Injury Center Grant was renewed, much to our pleasure. We still don't know what we will accomplish in this field. Certainly there are no miracles in sight as to this writing. However, very positive benefits have accrued as a result of the regular communication among the basic scientists with an interest in the nervous system. We are sure that this will provide a base for the further development of the neurosciences group here.

The less said about the state of the world as a whole, the better. The remaining news of importance consists of the acquisition of two calico cats who have added much to the warmth and humor around the Columbus place.

We are looking forward to seeing all of you in the Fall.

William

KEITH

I enclose a clipping from the Queens University alumni review — March/April 1978. I think the picture of Harry is very good and I believe you will be able to reproduce it for the neurosurgeon.

I will be 76 on June 20th. Eleanor and I am both very well. We commute back and forth from our home in Toronto (her home) to our log cabins near Algonquin Park (my home).

I have spent a total of 16 months at various times in general practice among the Indian of Canada, chiefly in N.W. Ontario. The villages are served by air from Sioux Look out to Hudson's Bay.

Our youngest child Shiela Gibb is the wife of a G.P. in Hanova Ontario. The whole family including the four children are to travel to Vancouver and Santa Barbara for three weeks in June. I am going to look after his (Dr. Gibbs) office from June 8th to 30th.

I still do some consulting for the Workmens Compensation Board of Ontario at the Hospital and Rehabilitation Center.



Wolff and Marie

KIRSCH

First and foremost, the report on the family. Marie-Claire had a most successful year in college majoring in German and Spanish. Our youngest, daughter Claudia, spent the summer in Norway visiting with a friend after accumulating a straight A report card, highest honors in our local science fair, and participating in our local youth theatre. Jonathan has hit a growth spurt, manifested by great difficulty in beating him in tennis. Our oldest, son Stanley, is majoring in chemistry at the University of Colorado, and in addition has found a way to maintain solvency by taking a job working in a restaurant. Our son, Daniel, has become quite an entrepreneur. Not only does he work for all of our local professional sporting teams as an usher, but has also found a part-time job supervising the rides at our Lakeside Amusement Park while attending college. Somehow he always manages to combine business with pleasure.

The real excitement, professionally, relates to the discovery of a unique and new amino acid in ribosomal proteins. This amino acid which is glutamic acid with an extra carboxyl group on it (gamma carboxyglutamic acid), has created a wave of excitement among molecular biologists, and we are currently working out the relationship of this amino acid to certain magnesium requiring reactions of protein synthesis. This amino acid appears to be a prime ingredient in calcium binding proteins as well. This literally has become an obsession for work, and credit should be given to John Van Buskirk as well as to Margaret Low, Ph.D., who have been doing the experiments, enabling me to free myself up for clinical duties. This service remains exceptionally busy with an increase in volume of patients requiring neurosurgical care.

Our vacation plans for the summer of 1978 have not yet been conceptualized. We have been involved in the somewhat expensive and difficult job of remodeling our home with the addition of a new kitchen, and this may put a crimp in our travel plans.

We, of course, were delighted that our current Chief Resident, Dr. Jay Law, was a recipient of this year's Van Wagenen award. One of the great rewards of being associated with a Neurosurgical training program is watching the evolution and development of your trainees. Dr. Law was a medical student here at the University of Colorado, entered our neurosurgical program, and has continued to show exceptional growth and maturation as both a surgeon, scientist, and human being. His recognition by the Van Wagenen committee is just the beginning of a truly brilliant career for Jay.



**Hugo and Elsa
KRAYENBUHL**

First of all, I celebrated my 75th birthday happily with my family. There I was, surrounded by them all, my wife Elsa, whose health could not be better, my children and grandchildren, all leading useful and busy lives, and in high spirits. Eight grandchildren keep me jumping — and therefore young. My eldest son Frank, who is an architect, is just finishing the construction of a theatre in Winterthur, an exciting project. My second son Thomas, who is a lawyer, is an EFTA consultant and shares much of the responsibility for the economic fate of Portugal. My youngest son Christoph is already a top-notch cardiac surgeon at the Surgical Clinic of the University of Zurich. Finally, my daughter Regula, who is married to an architect, is working on an interesting project for the musical education of kindergarten and primary school children.

I am not operating any more, having been retired for five years now as head of the Neurosurgical Clinic of the University of Zurich. Nevertheless, I am still active in medical neurology as a consultant in Switzerland and abroad, especially in Rome.

The highlight of 1977 for me came on March 10, when I was admitted to the Honorary Fellowship of the Royal College of Surgeons of England. Professor Walpole Lewin, a Vice-President, delivered a citation in my honour, whereupon the President, Sir Rodney Smith, admitted me to the Honorary Fellowship. I expressed my heartfelt appreciation to the Council, declaring that this day was a high point in my medical career.

I went on to talk about professional matters, expressing my conviction that if there is to be further improvement in operation results, neurosurgeons will have to specialize in sub-fields, namely, microneurosurgery for vascular lesions of the brain and spinal cord, and tumors of the base of the skull, transsphenoidal microsurgery for pituitary tumors and stereotactic and functional neurosurgery.

My wife was present with me at the ceremony, which was conducted with truly British dignity. Elsa and I had been invited the evening before to a high enjoyable dinner in the College.

Another exciting event during the year was my attendance as Honorary Chairman at the 4th European Course in Neurosurgery at Montpellier-La Grande Motte, in France, sponsored by the European Association of Neurosurgical Societies (from September 4 to 10, 1977). The President, Professor B. Pertuiset, of Paris, welcomed about one hundred young neurosurgeons, for the most part resident surgeons, and the speakers, who came from all over Europe. In one week all aspects of brain tumours were discussed. It was a fine get-together, and all the papers were absolutely first-rate. La Grande Motte, incidentally, is a newly developed seaside resort with warm sandy beaches and watersports facilities. Besides the official papers, many very useful informal discussions were held at the Residence Bernard de Ventadour with the youngest generation of neurosurgeons. The days were crowned by delightful evening swims at the beautiful beach.

Throughout the year I am engaged as Managing Editor in the publication of "Advances and Technical Standards in Neurosurgery" (Springer Verlag, Vienna and New York), which represents European neurosurgery at its best and which keeps me in constant touch with younger neurosurgeons. This activity, I trust, will also help to preserve my youthful outlook during the years to come.

The photograph appearing above was taken at a farewell dinner of the Clinic. I am looking forward with the keenest pleasure to the meeting in Europe next October.



**Kristian and Brit
KRISTIANSEN**



My activities since retirement from clinical service have been an interesting mingling of administration, lecturing, tutoring, research and travelling. As consultant to the municipal hospital administration a possible integration of the great number of operating services at Ullevaal Hospital (1800 beds) is one of my problems, another is the organization of specialist service in the city where the past years' constant reduction in the number of private practitioners has afforded grounds for concern among the politicians. I have continued some post-graduate teaching through lectures and seminars. An important international symposium on aphasia held in Gotenburg, Sweden, last September, was an exciting experience. Because of our efforts to create an institute for aphasia at the rehabilitation centre of Sunnaas Hospital, near Oslo, have been successful, the attendance from Norway was gratifying. An interScandinavian cooperation on aphasia problems is under way.

Another joint Scandinavian enterprise is a multicenter project with a controlled trial of the treatment of patients with glioblastoma multiforme. Although the requirements to prove the efficacy of new drugs are very strict in most of the Western countries, including Scandinavia, surgical and radiological therapies are introduced without any evidence of effectiveness, and we have felt the necessity of assessing the value of such treatment. The investigation was started late in 1974, and some results are now appearing. Brit and I went to Umea in Northern Sweden last October to make propaganda for the project and to visit our friends Dr. and Mrs. H. Fodstad. Umea has an admirable university clinic with a splendid neurosurgical service. Together with our neuropathologists, Dr. A. Torvik, I have embarked on an investigation of morphological changes in experimental and clinical cerebrovascular "spasm".

Our leisure activities have included skiing and hiking with occasional visits to Kari and Jonas' cottage, to Mette and Asle's farm, and to our seashore cottage which is taken care of now by Kristian Jr. and his Canadian friend Lynne Walker.

Next week (May 28-June 4) we will attend the congress in Athens of the Societe de Neurochirurgie de Langue Francaise, combined with a meeting of the Committee on Constitution and By-Laws of the World Federation of Neurosurgical Societies. In September we plan to go to Montreal for the Third Foundation of the MNI, and we have made tentative reservations for the joint meeting of the Academy and the German Neurosurgical Society in Munich in October — we are looking forward to a happy rendezvous!



**Kerstin and Lauri
LAITINEN**

In 1977-78 I had a sabbatical year, being almost completely free from clinical neurosurgery. During this time I tried to improve or develop some neurosurgical instruments, for example a stereotactic frame, a myelotome for the treatment of spasticity of the legs, an inflatable and detachable balloon-catheter for embolization of cerebral vessels, and a head holder for CT scanners.

Even when I feel slightly frustrated by the industrial atmosphere, I think that I have learned a lot of how to make an instrument dream true and I should like to recommend a similar sabbatical year for those neurosurgeons who are interested in instrument design.

Recently I completed a new model of my stereotactic instrument, and when testing it in May 1978 at the Residencia Sanitaria Nuestra Senora del Pino of Las Palmas de Gran Canaria, both my host Dr. Luis Gonzalez Feria and I felt happy with its functioning. The digital electronic display of the x, y, and z coordinates and some other new features make the device to look different to all other stereotactic guides.

The myelotome for longitudinal section of the spinal reflex arc within the cord has been improved by modifying its fixation to the spinous processes.

The inflatable and detachable balloon has been an exciting and difficult task. Problems have mainly arisen from technical inexperience of our small manufacturing company Emset; this has led to delayed product development. Still I believe, however, that my simple solution will be working in the future, although the project will take a lot of time.

A quite new task for me was to design a head holder for CT scanners, where the patient's head can be fixed in a reproduceable position and site. This makes possible to follow the evolution of certain pathological processes of the brain and skull. Moreover, the device allows a definition of any brain structure with three coordinates which can be directly transferred to a stereotactic frame, without need for a repetition of the scanning. The prototype seems to work and I have applied for a patent for this invention.

Now, after one year in the industrial life, I want to return to clinical neurosurgery and clinical research. I am interested in experimenting with a hydrocephalus shunt which directly connects the brain ventricles to the sag sinus. I know that this task is extremely difficult, but there may be a chance to solve it.

In August 1978, I shall settle down with my family in Bergen, Norway, where I'll start working in the Department of Neurosurgery of Haukeland Sykehus. In the next issue of the Neurosurgeon I hope to be able to tell you something of my new environment.



**Thomas and Carolyn
LANGFITT**

The biggest event for our neurosurgery department this past year was the meeting of the Society of Neurological Surgeons which we hosted in May. Originally we had planned to host the Senior Society in 1977, but there was delay in the construction of a hospital building and a medical school building which we had hoped to have ready for the meeting. As it turned out, the buildings were barely finished in May, 1978, and we were the first group to use the lobby of the new hospital building (for the welcoming reception) and the new auditorium in the medical school which was completed only a few hours before the meeting. Unfortunately, the latter timing was evident in the sound system. Despite the problems, most of our guests appeared to have an enjoyable and productive visit and we certainly enjoyed having so many friends and colleagues with us.

Our department continues to progress quite well. We have four young full-time faculty members in neurosurgery all within four years of the completion of their training. Each one has an active clinical service and a research program that is supposed to occupy approximately half of his time. We are well funded through our Head Injury Clinical Research Center and are in the process now of preparing a renewal application. A program project such as this one has the great advantage of encouraging organic growth of the research program, rather than growth by accretion, but it has the potential disadvantage of an all-or-nothing phenomenon. Our clinical services are growing steadily due to the continued tilt toward medical centers, particularly for the difficult problems. This trend has allowed us to add young faculty who can do research and at the same time build a satisfying practice of neurosurgery.

Things have not gone so well in the central administration of our University in the past year. Since September, 1977 we have had a series of difficulties in the governance of the University, in labor relations, and in our relationship with the Commonwealth of Pennsylvania. The Provost of the University has announced his resignation, effective the end of 1978, and there have been other major changes in the administration. A new Chairman of the Board of Trustees has also been named. The health area at the University has not been affected significantly by all of this.

I believe the major challenge to our universities in the immediate years ahead and perhaps for a long time to come will be the most effective management of scarce resources. I doubt that universities and their health components will grow very much in size, and therefore they must grow, if at all, by substitution. This means that educational, research, and service programs that offer the greatest promise for the future must be substituted for programs that are of marginal quality and no longer as useful to the university and to society as they were when they were established. Growth by substitution is growth in quality while size remains the same. If our institutions attempt to grow by accretion, as they have tended to do in the past, resources will be spread too thinly and quality will surely suffer. I believe the time has come to do fewer things but do them better, and I suspect this tenet is as applicable to a department of neurosurgery as it is to medical schools and universities.



Lew and Carmen

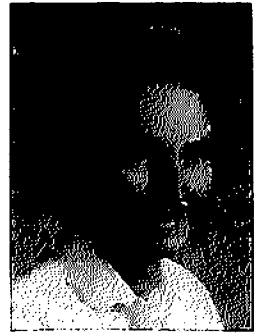
LLEWELLYN

A careful inquiry into the activities of our membership discloses that I represent the only person who performed with a nationally recognized and touring ballet group during this year. The attached photo by Matt Anderson pictures my two Borzoi puppies, Petruschka and Gorky, myself, Veronica Tennant, principal dancer of the Royal Ballet of Canada, and to my left, Ivan Nagy, a leading dancer with the American Ballet Theatre of New York. I appeared as the "Keeper of the Hounds" in the Ballet "Giselle," performed by the Ballet Hysell of New Orleans. Truthfully, I still enjoy memories of this experience. Carmen and I were enthralled with the backstage excitement, the rehearsals, meeting professional dancers, costume fittings, etc,

Our Eliza Lee will be one year old July 29th. Carmen cast a beautiful bronze head of her at age 3 months. I chose to send in picture of the ballet rather than one of Eliza and her bronze likeness, although I considered sending both. Our family and hounds have had a wonderful year.



**John and Katy
LOWREY**



August 1, 1978 I retire and I am looking forward to it. Katy and I expect to live out the year on Hawaii about a mile from the Mauna Kea Beach Hotel. We expect to be busy with all kinds of projects. We will return to Honolulu in early 1979 and have a chance to compare life here with there and then decide where to live permanently.

Almost 30 years ago I started a Neurology/Neurosurgery Unit at Straub Clinic. We were 17 partners then, with no neurologist and no orthopedic surgeons. Ralph Cloward and Tom Bennett were the only other neurosurgeons in the state and there were no neurologists. There are now 12 neurosurgeons and 10 neurologists in Hawaii. Our Department at the Clinic has grown to 2 neurosurgeons and 3 neurologists and neuroradiologist. Straub Clinic has added a hospital and we now have 85 doctors on the staff.

It has been a strenuous, exciting and busy time. I find it more difficult to keep up with all the new techniques and expanding knowledge, so I am happy to shift problems to my competent associates. It is all in the patients' best interest.

Katy and I were taken into the Academy in 1965 and our meetings with all of you over the years have been the highlights of our professional lives. When you must fly 2,000 miles to start a trip to a meeting, the meetings are less frequent and mean more. We thank you all for the professional stimulation and good time we have had with you. If you come to Hawaii, give us a call and come and see us.



**Alfred
LUESSEHOP**

Regretfully I missed the Hawaii meeting which would have been my first as a member of the Academy. This, however, was not the only sacrifice necessary during the past year which has been inundated by administrative responsibilities and other chores relating to adjustment of our Neurosurgical Service in the new facilities just opened at Georgetown. After a decade of delay, our new building was completed, and at long last the service is completely consolidated with assigned operating rooms and an energetic, competent nursing team skilled in neurosurgical care. Thus far the efforts have paid off, as the service has returned to full strength. In fact, it is now rapidly expanding, keeping our reduced complement of five residents continuously busy.

Doctor Carl Kao has joined Dave McCullough and myself to help manage the service, and we are still on the lookout for a fourth member.

I hope to make the Munich meeting and look forward to meeting more of the members there.

Ernest and Bobby

MACK

This past year has brought some interesting changes I think to Bobby and I in our lifestyle probably dependent upon the rapidity of the advance of years which now seems to be much quicker than we have ever previously experienced.

This year saw some rather startling changes in the relationship of the American Medical Association to Specialty Societies. In an endeavor to increase the base of specialty representation in the House of Delegates, some changes were undertaken by the Board of Trustees of the AMA. These resulted in the delegates and alternate delegates being appointed by individual Specialty Societies which had a thousand or more AMA members. This, of course, broadened the number of societies who could appoint delegates and alternate delegates to the House of the AMA. It actually increased the number of neurosurgeons who could sit in the House as direct representatives of neurosurgery to two instead of one as the Congress qualified for this position as well as the American Association of Neurologic Surgeons. It has for the moment, somewhat disrupted the Section Council apparatus. We are struggling to hold together, at least until we can get it more clearly delineated and re-establish it hopefully as the good functioning organization as it has been in the past few years. We have no reason to think that we will fail in this endeavor.

The most important document to come from the AMA, I think, this year was the report of the National Commission of the cost of medical care. Although there are many things in this report which are probably not acceptable to a majority of us, basically the document is good and it needs the study and support of all practicing physicians. I think that it is our last opportunity to hold back in some way, the steady onslaught of the government and the bureaucracy in its endeavor to completely take over

and control the practice of medicine, a thing which I think is abhorrent to a great many of us. In the end, the effectiveness of this report will depend upon the conduct of the individual physician in the care of their patients. If each of us practices the principles delineated and recommended in this report, I am sure we can see some significant cut back in the cost of medical care. It is apparent to me as I am sure it is to many to you, that the newer generation of neurosurgeons are much more test dependent than we were which has both good and bad points; it certainly adds materially to the cost of medical care. I think that these factors could be studied. I think that further study of the number of days of hospitalization which each patient receives would be a great benefit. I offer this bit of information to you to show the affect of governmental interference at this point in time. In my own hospital, we have now, through some careful cost accounting, been able to establish that the cost of PSRO activity in our hospital is \$23 per patient. If one multiplies this figure by the number of patients seen, not only in our hospital but all other hospitals which are under this program, a rather tremendous figure presents itself of which is nothing but an add on to the cost of medical care. We, at this point in time, have been unable to determine that PSRO in any way has improved the quality or has lessened the cost of medical care in our hospital.

On a more pleasant subject, last year's annual fishing trip for Atlantic salmon, which has become an annual pilgrimage by Pool and Mack, was to Iceland to a river on the north coast of Iceland which we had not fished here-to-fore. I think that this river, without question, was the finest which has been our pleasure to enjoy. The accomodations were excellent and the fishing was superb. We had a very delightful group of companions and ended the trip with a rather satisfying Icelandic luncheon. I must hasten to say that an Icelandic luncheon probably can be compared to the three or four martini luncheon that the president finds obnoxious. I must say in Iceland at the end of a fishing trip, we thought it rather pleasant. This year, come July, we are off to Norway hoping to catch one of those very giant Atlantic salmon which frequent the Norwegian waters. This trip promises to be very exciting and certainly a very scenic one. We will hope to report further on it.

This year represented perhaps a memorable achievement in that I attained my 65th year of age. On this occasion Bobby planned a very delightful party for me which took place in Philadelphia. This was coupled with the meeting of the Senior Society since it offered an opportunity for us to assemble the greatest number of our many friends at one time for this happy occasion. I was delightfully pleased to find forty-two of our old and dear friends present to enjoy a delightful evening of cocktails and dinner. Some fun stories were told and old memories were re-enjoyed; some companions were missed. Some of my dear old friends took the occasion to say a few remarks which probably needed to be said to me and about me and I endeavored to respond. The party was held at the Barclay Hotel in Philadelphia and I shall remember it has one of the most delightful evenings of a not unhappy lifetime. Bobby and I are deeply indebted to Kemp and Fern Clark in their aid and assistance in their arranging and executing the party.



**Steve and Jane
MAHALEY**

The Mahaleys moved this year into a new house away from town, on the Haw River. There is now plenty of room for gardening, chickens, and children. Fishing is always popular, and Jane has seen wild turkey on the property. Deer are abundant and probably will enjoy the garden before we do.

Our research work this year has been given a nice boost with Dr. Paul Steinbok joining the laboratory for 2 years. Paul is a graduate of Dr. Gordon Thomson's program in Vancouver and will be returning there after his research fellowship here.

George and Sim

MALTBY

I am as of January 1, 1978 totally retired from neurological surgery and expect spend the next few years of my life, hoping they are not few, and spending four to five months in Maine and about seven months in Boca Grande, Florida where we have had a house for some years having previously rented it, but now we are staying in it most of the time. Actually we sold that house which was on the beach because we were suffering from the problems that are so common on the barrier islands on the West Coast consisting of severe erosion. We are building a house further inland on the waterway in Boca Grande.

Sim and I are still not totally acclimated to this retirement racket. They say "retirement means twice as much husband and half as much money". While I was still in Florida that first few months of the year it didn't bother me. Now that I am back in Maine and going to conferences and rounds, it is not quite as easy to accept retirement. I have given up directorship of the electrodiagnostic laboratory (electroencephalography). However, I am doing some work for the Social Security Disability Bureau of Hearing and Appeals as a medical advisor to the administrative judges. This is interesting and keeps me reasonably busy with a few cases per month. I am also a consultant for the Motor Vehicle Department of the State of Maine in relation to patient's that have episodes of loss of consciousness or convulsive disorders, so as you can see I am not totally out of the medical swing.

I am sorry that Sim and I have no new pictures. Ours are certainly outdated but I don't think that I have any, especially black and white. This is a short note but I did want to get a brief report to you before the publication of the NEUROSURGEON.



**William and Alice
MEACHAM**

One of our current problems concerns our new hospital — a sixteen story edifice being built on campus and across the street from our present building. The usual constructional messiness is around us constantly, but we hope to be installed in our clean, new hospital by 1980. Neurosurgery will occupy the 12th floor and we will have two operating rooms assigned to us on a full-time basis.

Conferences with architects, administrators, equipment salesmen, and others have been so frequent that I feel that neurosurgery has become a minor responsibility of mine.

I don't know if others have accomplished this or not, but we are finishing in July our senior residents who are identical twins and whose work has been superior, exceptional, and identical. In fact, we have asked them to remain here in practice with us and they will begin in August. Ultimately, I would like for the Academy membership to meet them at a future meeting — perhaps in our new facility.

Our clinical work has undergone no real change — we are doing a few more vascular "hook-ups," transphenoidal hypophysectomies, and microsurgery than before, but otherwise it is the same old routine — but never boring!

Alice and I hope to get to the Munich meeting, but we will not be certain of it for another three to four weeks. If we can't make it, our best wishes for a very successful social and scientific meeting.

Francis and Marjorie
MURPHEY

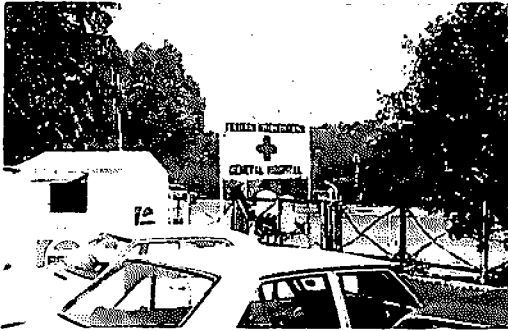
As everybody knows I have been retired and living in Naples Florida for the past six years completely divorced from medicine except as a patient.

Without a doubt, the most important occurrence in my life in the past forty years was on December 23, 1977 when Marjorie Alfery of Milwaukee and I were married. Her husband Henry Alfery had died 3 years before and as most of you know Roder died six years ago.

She is a wonderful and intelligent person and I consider myself incredibly lucky — we spend our time doing exactly what we want to do and nothing else. We occasionally see Frank Mayfield and Al Wilkin both of whom have itchy feet.

We find Naples a wonderful place to live with a lot of able and friendly people and we stay put here except for a trip in August to Memphis, Wyoming and Lac de Flambeau in Wisconsin where she has a place, all in all a satisfactory life.

Sorry I don't have a black and white snap short.



**Blaine and Irene
NASHOLD**

The highlight of last year was a visit for Irene and me to the island of Cyprus. Six months ago I received an invitation from the government of Cyprus to visit the island and evaluate their treatment of various types of pain problems, particularly related to the war refugees wounded in the Turkish invasion. This was to be combined with a visit to the mainland of Greece where I was happy to be elected an honorary member of the Hellenic Neurosurgical Society. Cyprus lies in the far eastern end of the Mediterranean and literally was the crossroads of the ancient and modern worlds so that there are a whole variety of civilizations, one on the other all over the island. It is physically a beautiful island with several high mountain ranges and coastline very similar to that seen in California with mountains coming down abruptly to the ocean with the blue Mediterranean surrounding the island and areas of beautiful beaches. Following the Turkish invasion three years ago, the island is divided into half, including the capitol of Nicosia and the current mediating force is the UN. Despite the displacement of thousands of Greeks and Turks, the Greeks have resumed a very active life in the unoccupied area and have increased employment, agriculture, and life in general but, of course, they are not happy with the division of the island.

The hospital facilities are old. Their neurosurgeons are young, very vigorous and well trained. Most of the training is obtained either here in the United States or in England. I was pleased to meet Dr. Spanos, who is the chief of neurosurgery in the city of Nicosia. Although my main role was to evaluate their treatment of pain in patients with various types of pain due to war wounds, I was fortunate to see a large number of neurological disorders, many with rather obscure beginnings which I suspect were viral in nature, producing hemiplegia in young women all the way to rather bizarre motor disorders which were very difficult for me to classify in relation to the neurological diseases that I am familiar with.

The neurosurgeons there point out a very interesting observation on Cooley's anemia, a disease of the Mediterranean in which there is enlargement of the spleen and marked anemia and, in some cases, the patient becomes paraplegic. In the past, surgical decompressions have been done in these patients, but it has now been found by the group in Nicosia that simply blood transfusion will reverse the paraplegia, which I thought was quite interesting, showing how borderline the spinal cord function can be when anemia becomes this low. I don't believe we have ever seen this type of problem in North America.

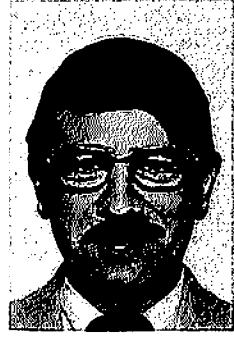
Irene and I were also able to visit many of the ancient sites, particularly the famous areas around Paphos with its unbelievable mosaics. It proved to be a most interest visit to a very complex country.

Work continues on evaluating the effects of lesions in the substantia gelatinosa which appear to be holding up very well in patients with brachial plexus avulsion. We believe, as I have indicated in the past, that we may established a chronic animal model for pain which was produced by avulsing dorsal nerve roots in rats. This work continues in Professor Albe-Fessard's laboratory in Paris and from time to time I go back to check on its progress. This fall, Professor Fessard will be a visiting professor at Duke, and we will have the use of her expertise here in the field of pain.

In the winter, Ben Whitcomb was kind enough to invite me to Hartford where he had two very interesting patients with avulsion injuries and in whom we were able to carry out SG lesions. Hartford had just had the heaviest snow fall of the year, but Ben is undaunted in his "Princess" and I believe we could have gone across Siberia if he had been determined to do so.



**Burton and Judy
ONOFRIO**



Judy is increasingly involved in ceramics and "soft sculpture" having had three one-woman shows in the area and in three national group Art shows.

I have regrouped with my neurosurgical socioeconomic endeavors, becoming involved on a regional A.M.A. base and giving up my commitment to the Joint Socio-economic Committee.

Life in Rochester is busy. Our three children, Scott 16, Gregg 14 and Jennifer 12 each have completely different interests from working at Wards, to tennis, to horses.



Skip and Ann
PEERLESS



The Peerless's come from three generations of Western Canadians. Ann and I grew up on the Pacific coast and much of our outside interests and activities revolved around the sea and the mountains. We came East first in 1961 for training in Neurosurgery in Toronto and had a marvelous time being surprised to find that the East wasn't as bad as the Western image would have it. However, when we returned to Vancouver after six years in Toronto and a year in Europe, we threw away our snowboots and snow shovels with some sense of relief . . . home to the rainforest of the Pacific Northwest at last! We were true Westerners once again. It was therefore a surprise to everyone and probably no one more than ourselves when in 1975, Charlie Drake and Henry Barnett convinced me that my future would be more productive, stimulating and exciting in London, Ontario. The whole family has enjoyed this move and have settled into London where the warm and friendly ambience of a small university town easily offsets the rigors of truly spectacular Eastern Canadian winters. Although the Alpine skiing is rather tame, it is offset by five months of marvelous cross-country skiing. Our cruising sailboat was left behind in Vancouver but was quickly replaced by a 505 racing dinghy that is now sailed by the two older boys and trailed all over the countryside from one regatta to another. Dad has been displaced from 'skipper' to 'team manager' and finally to 'sandwich-maker'! I am trying hard to convince Ann she would be a marvelous crew and that we really should get a second 505 and form the Peerless Racing Team.

Our three boys, Michael 17, Drew 15 and Tom 7 are bright and lively lads who are reacquainting their parents with the joys and anxieties of sports, music, school curricula, drivers licences and girlfriends. We try hard not to make comparisons to "how it was" twenty years ago.

Our Department of Clinical Neurological Sciences has gained great momentum in the past three years with the addition of new staff in Neurology, the acquisition of a good deal of research funding and many stimulating and provocative residents and visitors from around the world. We seem to have reached the critical mass state where there is now continuous fulfillment of activity and productivity. We have, of course, all enjoyed the many honours that have been bestowed on Charlie in the past few years and marvel at his continued performance not only in the operating room but also in the committee room and with his pen.

Ann and I are honoured and grateful to become members of the Academy and look forward to many years of good science and even better fellowship.



Cone and Maxine

PEVEHOUSE

An uneventful but busy year for us. We really enjoyed the Academy meeting at Mauna Kea — spent a week of sunning, snorkeling, tennis and breakfast every day on our private veranda. We are now solid addicts to papaya. It was fun seeing all our friends in Hawaii and again during the AANS meeting in New Orleans.

Our office continues to have a wide variety and good volume of neurosurgical problems. Howard still comes into the office two days a week. A new associate, William White, joined us last July after finishing Russel Patterson's program at Cornell; he and his wife have quickly adapted to the California climate and life style, recently buying a nice home in Belvedere.

Our eldest daughter, DeAnn, is working in real estate in San Francisco; the second one, Carol, has just graduated from Univ. California Santa Barbara with one of those nonessential majors (sociology); and the youngest, Tesa, is finally in high school. So Maxine is expanding her hobbies, also working at the hospital as admissions volunteer and on the "hospice project".

I continue to spend considerable time on malpractice matters with Calif. Medical Association and the State Legislature. Will send all of you a reprint of my general review and recommendations on the problem when it is published in Clinical Neurosurgery.

ADDENDUM

With great sorrow I inform you that on July 10, Maxine, my beloved wife of 27 years, passed away subsequent to a fall on concrete steps at our home. Personal tragedy is a new experience for me and I'm not handling it very well. I appreciate the notes from so many friends in the Academy who learned the news through the "grapevine". I will not be in Munich but hope to see all of you sometime in the future.



**Larry and Angeline
POOL**

During the past year my medical swan song was published in *NEUROSURGERY* 1: 233-237, 1977, entitled "The Development of Modern Intracranial Aneurysm Surgery." It was based on the 27th Annual Elsberg Lecture which I gave in New York last May. And just this week I received the good news from Scribners publishing house that they were planning to print in *paperback*, this September, my book for the layman on nerve, cord and brain afflictions entitled *YOUR BRAIN AND NERVES*. It was originally published in 1973 but is now out of print.

This winter Angeline and I had a glorious trip by boat down the Nile from Aswan to Cairo. It was a two week voyage with stops once or twice a day to walk, ride, or travel by donkey or camel to tombs and temples. Heartily recommended also for the 131 different species of birds we saw, although I certainly did not see all of them!

Meanwhile she and I have been hard at work on another book, this one dealing with the history of iron and steel from 4000 B.C. to the present. It is a fascinating story, inspired by discovery of an old blast furnace next our club trout stream. The furnace was one of many in this Northwest corner of Connecticut where high grade iron ore was and still is abundant, and where cannon, anchors, etc. were made for our Revolutionary Army and Navy. (The *IZAAK WALTON* book was our last venture).

Salmon fishing was superb in Iceland last July, where as usual Ernie Mack was the champ. Trout fishing here already good, even with the dry fly at this early date. Expect to fish for salmon in Norway this coming July with Ernie, and plan on a reunion with old friends at the Neurosurgical Society meeting in Philadelphia this May. With best to all.



**Robert and Rita
PUDENZ**

Rita and I have finally made the final move and have given up our apartment in Santa Barbara and are now in residence only at the ranch. We plan to return to Santa Barbara from time to time but will stay at the Holiday Inn. The same goes for Pasadena.

My reason for writing to you is that I have been carrying your letter of April 18th in my brief case and note that a report for the "NEUROSURGEON" was due June 1st. If it isn't too late I would like to thank the Academy for the honor that was bestowed on me last year.



**John and Lorene
RAAF**



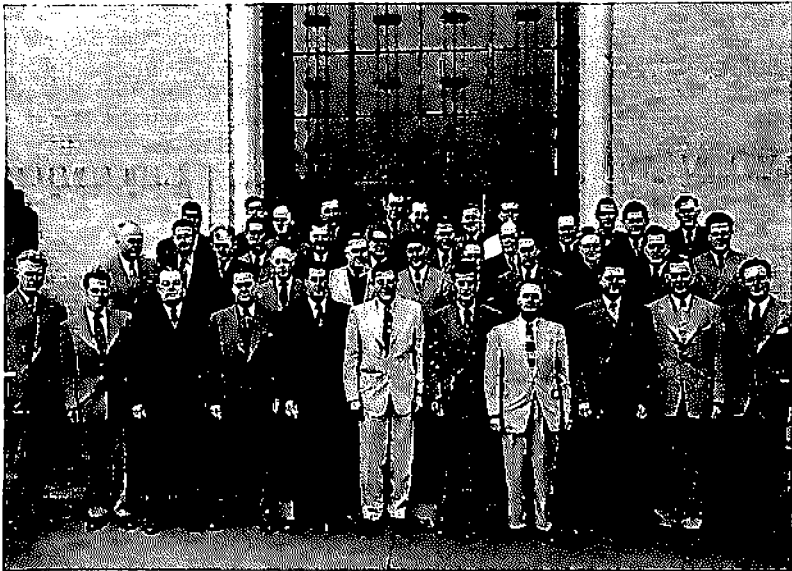
The older one becomes, the busier. Perhaps the problem is that interesting new projects pop up and one has not sense enough to decline participation. Last October about one hundred Oregon citizens, concerned about our judicial system, were asked to meet in Eugene at the University of Oregon Law Center. We considered four problems: 1) Financing the judiciary; 2) selecting and keeping good judges; 3) juvenile justice; 4) sentencing and corrections. We believe we have a progressive well-organized court system in Oregon, but some changes certainly would not be out of order. Therefore we have subsequently had several meetings to organize the "Oregon Citizens' Council on the Courts". Whether we ever will do any good is questionable but is interesting. At the most recent meeting this month Judge Arno Denecke, Chief Justice of the Oregon Supreme Court told me there has been some talk that the "Adversary System" in legal practice should be abandoned. If this should occur that would certainly be an accomplishment but I can just imagine the uproar that it would create among our attorney friends.

This summer is shaping up very much like our usual summers. As customary, one of our son John's children is spending the summer with Lorene and me. This year it is six and a half year old Sabrina, his youngest. She is keeping Lorene and me young, I guess. The other day she brought out a couple of jumping ropes and made me realize how many of my Purkinje cells have dropped out — or at least have become dormant. Since then I have been giving myself a refresher course in rope skipping. I will report to this Society the results of the experiment on rehabilitation of Purkinje cells in a young to middle-aged white male.

In July I will fish in British Columbia, in early August a four day horseback ride with the Skyline Trail Riders and by late August the summer run steelhead should be coming into the Rogue. For those of you who have been cold at the Rogue I am glad to report that under Lorene's directions we have now installed a most satisfactory Franklin stove.

John is very enthusiastic about his situation in Houston at the Texas Medical Center (M. D. Anderson Hospital). However, he has had some exciting offers elsewhere so this may not be his final location. Our daughter Jean is still teaching in the Bay area. She and our granddaughter Margot will come up from Berkeley and spend August with us.

Our Neurological Sciences Center at Good Samaritan Hospital & Medical Center is developing slowly. I sometimes get very impatient because things do not move faster. I hope Booker T. Washington may have been correct. "I have learned that success is to be measured not so much by the position that one has reached as by the obstacles which he has overcome while trying to succeed."





**Joe and Rita
RANSOHOFF**

Neurosurgery in New York, nationally the manpower situation, our multiple organizations, etc., continue to stumble along in their usual fashion, however, I, unlike my usual comments to the NEURO-SURGEON, will make this a personal note.

Rita and I are 2½ grandparents from a daughter and a son, Joan having one in the oven. Two grandsons are, of course, the brightest, the most magnificent, the most intelligent of all possible grandchildren and we both enjoy the role of grandparents for a day or so a month. I am not sure how well we would take a steady diet of chasing little boys and straightening up after them.

Rita has resigned from her position in the Student Mental Health Service at NYU to devote full time to her thesis work. She is getting her Ph.D. through the Union Graduate School, an experiemental program under the aegis of Antioch and a dozen or so other small universities. It is an interesting experience and I must say she is deeply involved.

We are spending week ends and summer vacations at our old beach house in Hampton Bays. It is one of those big old shingled houses with a porch all around it, right on the water and about a mile or so from Shinnecock Inlet — access to sharks, marlin, swordfish and giant tuna as well as more mundane bluefish and striped bass.

One of the big events in my life is a new toy — a 28 foot Sport Fisherman built on a Donzi-hull, 700 horsepower, a small cabin and a mini-tower. There is just enough room for a fighting chair in the cockpit and room below to stay comfortably overnight for two of us if we decide to go cruising. I just finishing fishing the Shinnecock Sword-fish Tournament as its first offshore trial. The boat performed magnificently. The owner missed a shot at the only swordfish seen and had a white marlin on for two jumps, obviously not performing as well as the boat.

I honestly cannot end this note without some professional comment. I guess the most exciting thing happening on our front is the development of a special CAT scanner for the performance of stereotaxic surgery. This will initiate a joint program between Irv Cooper and ourselves with my last year's Chief Resident, Max Koslow, being deeply involved. We plan to study patients in our Clinical Research Center in terms of 24hour EEG studies, endorphins, growth hormone and other such assays in an effort to document the physiological and biochemical responses to stereotaxic surgery, the latter, of course, being carried out on the CTT scanner. Irv, as you know, has just moved his operation to the Westchester Medical Center, a magnificent new building, and we are both much excited about this new opportunity.

I have to quit now as Ted Kurze and Birgitte are just coming up the driveway for a drink before we all beat our way home in the Fourth of July traffic back to New York.

Happy academic 1978-79 to all.

David Hyatt

REYNOLDS

IN MEMORIAM

Dr. David Hyatt Reynolds died April 3, 1978, one year following surgery by his former teacher, Dr. Guy Odom, for a malignant brain tumor.

Dave was born April 13, 1919 in East Liverpool, Ohio, and served in the United States Army Medical Corps from 1942-1945. On August 26, 1944, he was married to Marjorie Flower. He attended the Ohio State University and completed training in medical school at Duke University in 1951. Following internship at Grady Hospital in Atlanta, he returned to Duke University of training in Neurological Surgery under Dr. Barnes Woodhall and Dr. Guy Odom. While there, he perfected a regional cerebral perfusion technique that later led to the first regional chemotherapeutic perfusion for brain tumor patients. When he finished neurosurgical training, he became the first Chief of Neurosurgery of the new University of Miami Medical School, where he later also served as Acting Chairman of the Department of Surgery from 1961-1963. Following four years of private practice in Miami, he became Chief of Neurosurgery at the University of Tampa in 1975, where he served until his death. Among other organizations, he was a member of the Congress of Neurological Surgeons, The American Association Medical Association, The Neurosurgical Society of America, The Southern Neurosurgical Society, and the Academy.

Dave is survived by his wife, Marge, and many to whom he has been student, teacher, physician and friend.



**Theodore
ROBERTS**

In brief, my activities here at the University of Utah are principally professor and chairman of the Division of Neurological Surgery, University of Utah Medical school, and our activities are mainly those of teaching, research, and patient care. One of my principal patient care areas has been that of transphenoidal surgery. I've now done some 180 of these cases mainly in the area of hypersecretion syndromes, working closely with our endocrinology group in this regard. We've published on Cushing's syndrome patients and on other fertility problems as seened in a number of prolactinemia patients. Additionally, we carry on a broad base of surgical functions with activities in cerebrovascular surgery and we're working closely with our neuroradiological group in this regard.

I think that I have a photograph somewhere handy of myself and my wife, but darned if I know where right off the bat. I'll send along one of me though if that's okay. I suspect that this letter is a bit late for your present printing, but I'll be happy to freshen up for the next go around.

James and Valeria

ROBERTSON

The Robertson family is well. The oldest son, Tom, is working in Washington and my daughter Beth was married in June 1977 and continues to teach school and live here in Memphis. Catherine works as an operating room technician, Clay has just completed his sophomore year in college and Roberta and Daniel are pursuing completion of high school. Dan will work in an oceanography laboratory in Wilmington, North Carolina this summer with a Dr. Robert George.

As you can see the family is beginning to leave home and Valeria is very involved as always in business and politics.

The Department of Neurosurgery is progressing nicely here in Memphis. We now are a member of the Brain Tumor Study Group and are pursuing the amino acid deprivation treatment of malignant gliomas. In addition the Cerebrovascular Center continues to be active in research regarding vasospasm and platelet inhibiting drugs.

I will try to send a photograph in the near future but we are all looking forward to the German meeting.



**Bill and Helene
SCOVILLE**



I am now the oldest practising surgeon in our hospital and it is very humiliating to have to be on the defensive at all times, day and night, to prove that I am not losing my marbles. What used to be considered radical approaches are now considered senile approaches and so I have to watch my step unnecessarily. I can no long send my disc patients home on the day of their operation or operate on A-V malformations until they have seriously hemorrhaged and become incapacitated.

Medical trips are still absorbing but the all pervasive subject of medical economics bores me.

I wonder if all of you are as troubled as I regarding my own economics. I now must pay a State and Federal income tax of 80% on all non-earned income. I must pay 40-50% tax on capital gains and remember that incorporation only prolongs the time when you have to pay your full taxes on such profits. It doesn't make sense. There is no use saving. The only solution is to spend one's money; count on Medicare and social security to support one later; and hope that one's wife dies first.

In New England it is the middle of May and spring has not yet sprung.

So I close this rather dreary letter.



**Eustace
SEMMES**



I borrowed Dick DeSaussure's last edition to remind myself about the unusual style. I am enclosing a small picture. Not having a wife, I'm also enclosing a picture of my daughter and daughter-in-law, both of whom I'm proud of, if you think that will be suitable.

My comments — I am just learning the practice of neurological surgery is not the hardest thing in the world. The retired practice of neurological surgery is.

The clinic has just finished the triannual reunion of our former residents of whom there are sixty three. All are doing well. Unfortunately, though, six died prematurely. All but one have passed their boards and he chickened out.

Another thing that I think is very important is intra-clinic specialization. Would you please give me your opinion as to the suitability of the enclosed.

Aneurysms
Percutaneous Neurosurgery
Pediatric Neurosurgery
Disc Surgery

Pain relief
Pituitary Surgery and Acoustic Tumors
Extracranial Vascular Surgery
Stereotaxic procedures and Teaching

Dr. Morris Ray
Dr. Richard DeSaussure
Dr. James Simmons
All neurosurgeons within
the clinic
Dr. Joseph Hudson
Dr. James Robertson
Dr. John Crockarell
Dr. Matthew Wood

When I gave the Elsburg Lecture in New York, I was requested to talk about local anesthesia in neurosurgery. At the conclusion, they asked if they might publish it in the New York Academy Journal. I told them that I thought it should go in the Journal of Neurosurgery. However, through inexcusable procrastination, I never sent it in.

I asked Dr. Harvey Cushing when he thought we should use local anesthesia and he replied, "whenever we can". When I asked the same question of Dr. William Halsted, he gave the same answer. Both of these men, in their later years, relied largely on expert anesthesiologists.

I practiced neurosurgery until my 87th birthday and used local anesthesia in practically all procedures. The few patients who disliked the idea of being awake were given the usual preliminary drugs and started on a dilute i.v. solution of Novocaine and put to sleep. They were not anesthetized but given local anesthesia for the procedure. This way, all the disadvantages of general anesthesia were avoided. I feel certain that the mortality rate is much lower than when general anesthesia is largely used. A ledger was kept keeping track of the patient's name, date of surgery, and the operator, but not whether the patient survived. This made it necessary to get the patient's records out. This was carried out over a two-year period, 1954-1956, with the results as follows:

Hospital Discharges	941
Surgical Discharges	368
Deaths	18
In surgical cases	
Gross Death Rate	1.91
This is the number of discharges divided into the number of deaths.	
Gross Surgical Death Rate	2.44
Figured on basis of deaths 10 days following surgery.	
Of 12 deaths which had surgery, 9 died within 10 days following surgery. Divided number with surgery into 9.	
Net Death Rate	1.38

Hunter and Betty

SHELDEN

During the past year I have been involved in research on a full time basis. We are continuing the Brain Tumor studies, which we began three years ago. Our goal is the identification, localization and stereotactic removal of minute primary tumors under direct binocular 3-D vision. We have completed the instrumentation and methodology, including accurate definition of the Z axis, and now are involved in adjuvant therapy with special interest in immunological methods.

The immunological and computer aspects of the project are being done at the Huntington Institute of Medical Research and the California Institute of Technology, from which I was delighted to receive a faculty appointment in the Division of Applied Engineering with Prof. Gilbert McCann.

I am convinced that the future treatment of choice for most intracranial tumors will be some form of open stereotactic procedure. Large tumors such as we have had to deal with in the past seldom will be encountered.

Bob Pudenz retired this year from research. After thirty five years of daily cooperation and mutual encouragement it would be an understatement to say that he has been missed. It is possible that he may return this fall on a part time basis.

We have a small house on the 15th fairway of the Pauma Valley Golf Club. It is a delightful spot directly under the west face of Palomar Mountain about thirty five miles northeast of San Diego. Lyle French and Jack French are neighbors. Betty enjoys it as much as I do, and in fact possibly more so since she made a hole in one on the 12th hole.

We hope that some of you will lose your way in the foothills and pay us a visit.



**Bennett and Doreen
STEIN**



The professional core of the Neurosurgical Department at Tufts-New England Medical Center consists of three full-time individuals: myself and Drs. Post and Scott. We have developed areas of specialized interest within the Department which include transsphenoidal surgery, which is done exclusively by Dr. Post who has launched a major effort in the clinical and research aspects related to this type of surgery. A very close liaison has been worked out with the neuroendocrine group here at Tufts. Dr. Scott has been specializing in pediatric neurosurgery and the surgery of extracranial vascular disease including carotid endarterectomy and bypass procedures. My own interest has been in the treatment of arteriovenous malformations in a joint venture with Dr. Samuel Wolpert, our Neuroradiologist. The effort is primarily directed at preoperative embolization of these lesions with surgical resection to follow. These specialized efforts have been extremely gratifying in developing expertise in certain areas, thereby improving results as well as improving the training of our residents. The Residency Program remains at five residents for five year period during which their obligations are divided among clinical responsibilities at the New England Medical Center, The Boston V.A. Hospital and a short rotation at one of the community hospitals in Boston. Off-service rotations include Neurology, Neuropathology and Neuroradiology as well as a laboratory experience. We have had an exceptionally good group of residents and the candidates for the forthcoming years are exceptional. Part of the reason behind this has been our interest in medical student teaching at all levels, with participation of all members of the department. This has resulted in enthusiasm on behalf of a number of the students toward a career in Neurosurgery and specifically in applications to our program, which includes some of the top students at Tufts. The experience with the medical student group has also been extremely stimulating and rewarding to our staff. We are active at the basic science level in the

Medical School as well as the preclinical and clinical years. In addition to our responsibilities to the aforementioned groups, we have developed an interest in the Physician Assistant as pertains to Neurosurgery and now have four of these individuals on our two services. They have been exceptionally intelligent and hard-working individuals and their efforts have immeasurably improved our patient care and overall operation of the service.

We have been supported in our endeavors by excellent individuals in the ancillary services e.g. Neuroradiology, Neuropathology and Neurology. Recently a personal friend of mine, Dr. Theodore Munsat, was appointed to the Chairmanship of Neurology and he has developed a fine academic and clinical department with the addition of a number of talented staff members. There has always been a close liaison between Neurology, Neuroradiology and Neuropathology. We recently developed a joint appointment for the Neuroanatomist at Tufts, Dr. Stan Jacobsen, between Anatomy and Neurosurgery. His efforts have been directed at improving our basic science research activity as well as the teaching of the medical students and our residents. This collaboration has been of great benefit at all levels within the department.

We are encouraged about the future development of Tufts due to the efforts of the new President of Tufts, Dr. Jean Mayer, who is developing a Veterinary Institute as well as a Nutritional Institute with an emphasis of Neuroscience. This undoubtedly will have a positive effect on the operation of the Medical School as well as the various departments within the hospital. Neurosurgery, as well as Neurology, plans to play an active interest in these new endeavors.

Our oldest daughter has now completed college at Simmons and has joined the work force in Boston. The younger daughter is on vacation now from Skidmore and plans to complete a study in Social Work there the forthcoming year. Because of their different locations and diverse interests, it has been difficult to develop vacations and activities with the family unit this year. As an example, my wife and I will travel to Brazil this summer for a month to participate in a number of regional Neurosurgical meetings there. Unfortunately, because of other commitments and activities, our daughters will not be able to accompany us.

During the course of the past year I have certainly benefited and enjoyed attendance at the Academy Meeting as well another meeting which I have made an annual trip i.e. to the Richard Lunde winter meeting in Utah. Both of these meetings are an annual must as far as I am concerned.

Jim and Joanne STORY

We have had a good year in Neurosurgery at the University of Texas Health Science Center and the Division continues to grow. Last May, Dr. Eduardo Eidelberg joined us and his physiology laboratories are operational. In this short period of time, he has succeeded in assembling a group of neuroscientists with interests in spinal cord injury. As a result of these efforts, we have obtained NIH support for a Spinal Cord Injury Research Center.

Also joining our Division is Dr. Arthur Marlin. Arthur comes from Joe Ransohoff's program. His interests lie primarily in Pediatric neurosurgery. We feel this part of our program needs emphasis and know that he will contribute meaningfully to its development.

This past year, I served on our Anesthesiology Search Committee. Along with securing a fine chairman, we were able to attract Dr. Maurice Albin, whom many of you know as an outstanding neuroanesthesiologist and collaborator with Bob White in their early spinal cord cooling efforts. He holds a joint appointment in Neurosurgery and will be working closely with us in our Spinal Cord Injury Program.

The Health Science Center has finally succeeded in developing an affiliation agreement with one of the new private hospitals in the immediate area. This represents a substantial accomplishment and could be most helpful to the further development of our Division.

The Society of Neurological Surgeons will be coming to San Antonio in March 1979. We are honored to host the Society for their annual meeting.

This year I joined the secretarial ranks, being elected secretary of the Neurosurgical Society of America. This carries with it additional chores, but I consider it truly an honor.

Music continues to be a fine diversion. While we still have our small dixieland group, a new 18 member big band has evolved. We get together once a week and have recently played at several community functions.

Joanne is very involved with the children and all their activities. We now have a daughter in college in Pre-Med. She was chosen the Outstanding All-American Cheerleader last year and received a college scholarship for these efforts. Our other two daughters continue to do well in High School and our Junior High son has had a busy summer constructing a Go-Cart.

We are looking forward to our trip to Munich and the forthcoming meeting with the German Society.



**Thoralf and Lois
SUNDT**



We will begin our yearly report from the frozen North with the usual comments regarding the winter. Again we are pleased to report that we had a record-breaking affair. However, in contrast to last year when there was virtually no snow, we were blessed with a good bit of the white stuff which made winter quite bearable. Cross country skiing was excellent and in general all spirits were much higher than in the previous year. The melting of the snow has given us good ground water which has been translated into record growths in our evergreens. We now have several thousand of these beautiful little babies in cultivation, some of which are about 16 to 18 feet high, representing approximately one decade of growth. The transplant mortality has been quite low and we have moved the trees around on the lot for about the last time and now our sole job is to make postoperative rounds and talk to them affectionately. Our controlled series indicates that those trees which have been talked and treated with loving care have done much better than the trees at a further distance from the house that have been remote and deprived of conversation. It is possible that the supplemental irrigation may have had something to do with their increased growth, but my experience with medically controlled studies allows me to promptly discount the latter as a possible contributing factor and to concentrate solely on the verbage.

We ventured from the continental United States on two occasions last year, one to Hawaii where we enjoyed visiting with the rest of the members of the Society, the other to Venezuela where we enjoyed visiting with Ruth and Charlie Drake. Lois spent some time in Arizona because of illness in the family. However, it did give her the opportunity to renew our strong ties to that region.

Laura, our oldest daughter, has graduated from Southern Methodist University and is now an accountant with Haskins and Sells in Phoenix, Arizona. Thor, our older boy, will be graduating from Princeton next summer and appears to be headed toward a field in medicine. John, our younger boy, has finished high school and has entered St. Olaf College here in Northfield, Minnesota.

The Department of Neurosurgery at the Mayo Clinic remains stable, and we think productive, under Ross Miller's direction. We were pleased that Fred Kerr decided not to go to NIH and has remained with us and directs our research program.



**William
SWEET**

I am now nearly one year from turning over to Nick Zervas the happy responsibilities, good fun, and variegated headaches of being a Neurosurgical Service Chief. I enjoy these privileges and duties while I had them, but at this stage I don't regrefully miss any of them. New opportunities — such as more time for research, patient care and medical writing — are a welcome change. I am especially grateful to Bob Wilkins for the privilege of joining with Barry Smith to contribute the series "Neuroscience for the Neurosurgeon" in the Congress of Neurological Surgery journal, NEUROSURGERY. Preparing these regular articles is keeping us intellectually occupied.

A major cloud hanging closely over us in neurosurgery in the USA is the amount of time we are needing to spend defending ourselves and our colleagues in legal actions against us for professional negligence. Although I remain convinced for the present that our best tactic is to fight to win those suits in which there is no professional negligence, this involves, I must concede, an unconscionable expenditure of time.



Ronald and Mary

TASKER

The past year was the less for our inability to get to Hawaii and this year we will unfortunately not make Munich but we are looking forward to Memphis in 1979.

Rather our activities have been kept relatively mundane in an attempt to finish two major projects. The first is a monograph on stimulation data collected during stereotactic surgery. The more we have examined our data the more interesting material has emerged. And it has amazed me, having never attempted a work of this size before, how the residual few percent of the job expands to take more and more time. And the final preparation of illustrations has emerged as an unexpected problem. Meanwhile on the home front we are in the throes of converting the third floor of our house into an apartment with Mary as the organizing contractor cum architect. And we are into the third month of construction with the erstwhile contents of the third floor piled in every nook and cranny and evidence of construction everywhere.

At the hospital we are watching the growth of our new ambulatory care centre (it will soon black out our eastern twelfth floor windows). But the real crunch is upon us as we try to decide upon a formula for management and operation fo our new clinical facilities: whether to form a Mayo Clinic of the North or a southern extension of the University of Toronto's Sunnybrook Medical Centre or some other system.

Our studies of the correlation between the effects of stimulation of the human brainstem and the neuronal activity recorded with microelectrodes at the same site continue and we are embarking upon a clinical study of deafferentation pain and an evaluation of its treatment with chronic subcortical stimulation supported by the Ontario Ministry of Health.

In the laboratory we are continuing the studies of animal models of spasticity begun by Fred Gentili, now our chief resident, for which he won three awards at Galveston. We plan to quantitatively measure the effects of epidural spinal and cerebellar stimulation in the models.

We are looking forward to the arrival on July 1st, 1978, of Dr. Susumu Ohara from Professor Matsumoto's unit in Tokushima, Japan to spend two clinical years at Toronto.

Meanwhile on the home front Moira continues in her equestrienne career. James is off with an Ontario scholarship to Queen's University to study science leaving us with only two children at home. Ronnie heads into high school this fall with a burning interest in electronics, Alison is at Branksome where Mary teaches art to the junior school.

And the superb collection of laelia orchids collected last summer in Brazil have survived the rain of shingles and construction rubble on the greenhouse roof.

John and Gina

TYTUS

Many changes have occurred in the Tytus family during the past year. After a prolonged search throughout Western Washington, including the peninsula and the San Juan Islands, we found and acquired a lovely piece of land only an hour north of Seattle — raw land, but with great potential.

After the first of July Gina and I will be devoting full time to this endeavor — building a house, barns and the like. At this point our project seems overly ambitious, but we are both most enthusiastic and I doubt very much that there will be much time for languishing.

We will be very sorry to miss the Academy meeting at Munich, but both of us look forward to other meetings in the future.

Clark and Patty

WATTS

Still reeling from the worst Missouri winter of this century we had concerns if we could survive the rainiest, most tornado-infested spring in some time. However, the weeds have been conquered, the flowers appropriately bedded and the garden looks good. We are looking forward to a most sun filled summer. We are lacking a photograph of this issue simply because the better half felt her tan was not mature enough.

We have been very busy in the past year. The oldest, Mark and Vandy, have each married and remain Texans. Christy has turned "sweet sixteen" and is fervently looking forward to all of the advantages of that state in life (dates, driver's license, etc.) Having decided to become a veterinarian, she is spending the second of two consecutive summers working at the Veterinarian School on the campus of the University of Missouri-Columbia. Clyde will spend several weeks of the summer touring Europe with an American soccer team. Jennifer continues to show jumpers while attending school in Texas. Lest one thinks that getting these out of our hair should make life more simple, it should be kept in mind that Kym, Jeff, and Terri are all capable of taking up the slack.

Benjamin and Betty

WHITCOMB

We must all agree that the location in Hawaii for the last meeting was the perfect setup for our Academy and well worth the added distance. Let's hope our swing in the opposite direction this fall, though much different, will be as enjoyable.

The SESAP SANS (Self-appraisal test in neurosurgery) is being produced by a joint committee of the AANS and the Congress along with the American College of Surgeons and is headed by Steve Mahaley. This should be available next year and should be a tribute to Steve, who seems to find enough energy along with his many other duties to push the thing through.

If the present administration doesn't bite the bullet and balance the budget to curb inflation so that some of us older fellows can afford to retire, I might have to stoop to vote Republican.

Peggie and I had a delightful evening last week with Henry and Reddie Schwartz and Larry and Angeline Pool at the Pools' lovely home in the hills of Cornwall, Connecticut where those two eternal fishermen have been breathing black flies in order to harvest some trout.

We hope to see most of you in Munich.



**Charles
WILSON**

After recovering from my second meniscectomy last May, I decided to take my running in moderate doses. By January, my knees were feeling better than I anticipated, so in February I entered my first marathon. With good reason you could argue that it is a form of healthy psychopathy, but in any event I enjoyed it. Nothing would do then but to run the Boston Marathon on Patriot's Day. This had to be one of the most exciting experiences of my life. For a middle-aged male with two bad knees, I ran well and the following month I ran a local marathon under the qualifying time for the Boston Marathon. Consequently, I will go next year as an official entrant, which will be something to point for.

Along in the fall, I decided to take up the piano again in a serious way. I had played the piano all through childhood, and as some of you know, I continued to play "barroom" music on rare occasions. I wanted to play for my own enjoyment, and I had an incentive in the beautiful old Steinway piano that Mary had given me, since she does not play. My piano teacher is a local celebrity in the field of classical music, and as a bonus, she plays marvelous jazz. I am involved in both, enjoying them equally.

I have maintained my interest in pituitary adenomas, and we are building a substantial experience in the treatment of Cushing's disease. *Almost* every patient with Cushing's disease has an identifiable pituitary adenoma, the smallest that we have encountered measuring only 0.5 mm. It is, indeed, an exciting field, and I look for continued interest in the flood of new information on neurohypophyseal relationships.

We have filled the position as Chief of Neurosurgery at the Veterans Administration Hospital with Michael Edwards. Mike came to us as a Chemotherapy Fellow after completing his residency at The Oschner Clinic and Tulane. I had intended to recruit someone who would bring the flavor of another program to our own, but Mike qualifies because of the time difference (1960 vs. 1977) between our training. The other bit of news is Buz Hoff's promotion to Professor. Buz served as Acting Chairman during my year's sabbatical, and when I returned, I asked Buz to share the administrative responsibilities with me. My life is pleasant because of him, and the Department is managed as a partnership in every sense of the word.

Craig, my eldest, graduated from the Tulane School of Commerce and will be leaving this summer to seek his fortune in Hong Kong. Byron, the younger son, finished his first year at Berkeley in Biology. Becky, my married daughter, will enter graduate school at the University of Hawaii to obtain her master's degree in Public Health. It may be my excuse to run the Hawaii Marathon in December.

All in all, it has been a great year, and I could ask for nothing more. I hope that the next twelve months will be as enjoyable.



Barnes and Frances

WOODHALL

On June 28 of last year Frances suffered a stroke of her dominant hemisphere. The EEG demonstrated the left brain lesion in the middle cerebral circulation with so-called mirror image on the right side close to the midline.

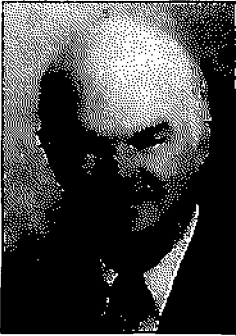
She has been hospitalized since that time with very little improvement. The left leg shows some spasticity and a positive Babinski. We are planning to move her home with her nurses shortly.

I have read most of the volumes related to Stroke and a new one, as you may know, comes out shortly from the N.I.H. They sound, in brief, like requiems for the recent dead. I have also followed our neurosurgical efforts in this regard. Do they compare with the normal stroke course and are these data part of the current reports?

What we seem to lack at this moment for the acute stroke patient is a biochemical stimulation of oxidative metabolism. This does exist for patients with coronary thrombosis and has demonstrated a 50 percent decrease in mortality and fewer patients with brain damage.

I, as a student, at Hopkins, watched Schwenkter rescue the failing heart in patients with diphtheria by means of intravenous glucose. SodiPallares in 1962 reported improvement in patients with myocardial infarction by the use of glucose, potassium and insulin — the triplet carrying the designation of GIK. Charles Rackley in Birmingham has vastly extended these studies and has reported a decrease in patients with concurrent brain damage. One of my brilliant colleagues here may well answer the problem of the acute stroke in his laboratory shortly.

Please pardon this long bit of discourse but it is about time to use our wits as well as the operating microscope. The photograph you requested will be delayed for another year.



**Frank and Betty
WRENN**

This past year has been both busy and eventful for us. The year has been full of activities with the effort to organize some sort of program which will monitor neurosurgical practice and be useful for the various benchmarks we all must make now and in the future. The important matter is to distill what are the essentials required to assess the quality of what one does in a pluralistic delivery system. My feeling is that we will remain pluralistic for a while longer even though the monolithic thread will remain. The problem of performance assessment is under active study by the American Board of Neurologic Surgery. It has continued to be my privilege to serve on this Board in the name of this Association.

Last summer we began our busy year in the company of two of our children in Switzerland, down the Rhine to Rotterdam and then several days in Holland before returning home. This summer finds us at home with none of our children within five hundred miles from us. Our older son is in Mobile in a very nice executive position with a bank; our second son is beginning his second year of graduate work in anatomy in Wisconsin and gives indication that he may confine himself to the world of academe rather than pursue a clinical career; our daughter completed her work at Duke with honors and is at work in Louisville.

We look forward very much indeed to the prospect of the Fall Meeting, to renewal of old acquaintances and to the excitement of new friends in a different country. The months of the Fall will be very busy with travel on the business of various organizations, to say nothing of an attempt to maintain my responsibilities in what continues to be a a busy countryneurosurgical practice.

David and Myrna

YASHON

Things are well at Ohio State. Last year I mentioned the book on Spinal Injury. It is completed and is scheduled for publication in July of 1978. It really took a considerable amount of time and effort, but in addition to enjoying the work, I learned an awful lot. The practice is quite busy and unfortunately because of a shortage of resident staff I have had to devote more time to it and what I sacrifice is laboratory work. We must keep up our teaching.

The family is doing quite well. My oldest daughter will be a freshman at the University of Miami. All three children are honor students and are getting along extremely well.

Best regards to you and our membership.

THE ACADEMY AWARD WINNERS

Paul M. Linn	1955
Hubert L. Rosomoff	1956
Byron C. Pevehouse	1957
Norman 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
Richard Pressley	1971
D. G. McLone	1972
Arden F. Reynolds	1973
Richard L. Rapport, II	1974
Andrew G. Shetter	1975
John S. Howe	1976
Howard W. Blume	1977

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1978

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ON NEUROSURGICAL IMPLANTS**

David G. Kline

**REPRESENTATIVE TO THE INTER-AGENCY COMMITTEE
ON IRREVERSIBLE COMA AND BRAIN DEATH**

A. Earl Walker

**REPRESENTATIVE TO THE NATIONAL COMMITTEE FOR
RESEARCH ON NEUROLOGICAL &
COMMUNICATIVE DISORDERS, NINCDS**

James W. Correll

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FOUNDED OCTOBER, 1938**

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	ELECTED
Hugo Krayenbuhl, MD Neurochirurgische Universitätsklinik Kantonsspital 8000 Zurich, Switzerland	1974
Guy Lazorthes, MD 26 Rue d'Auriol 31 Toulouse, France	1973
Valentine Logue, MD Maida Valle Hospital London, W. 9, England	1974
Gosta Norlen, MD Neurokirurgiska Kliniken Sahlgrenska Sjukhus Goteborg, SV Sweden	1973
Keiji Sano, MD Dept. of Neurosurgery School of Medicine University of Tokyo Tokyo, Japan	1975
R. Eustace Semmes, MD 20 S. Dudley Street, Suite 101-B Memphis, Tennessee 38103	1955

SENIOR MEMBERS - 36

ELECTED

<p>George S. Baker, MD 200 First Street, S. W. Rochester, Minnesota 55901</p>		1940
<p>E. Harry Botterell, MD Faculty of Medicine Queens University Kingston, Ontario, Canada</p>	Margaret	1938
<p>Howard A. Brown, MD 2001 Union Street San Francisco, California 94123</p>	Dorothy	1939
<p>Harvey Chenault, MD 2370 Nicholasville Road Lexington, Kentucky 40503</p>	Margaret	1949
<p>Donald F. Coburn, MD 4740 Roanoke Parkway Apartment 1201 Kansas City, Missouri 64112</p>	Ellie	1938
<p>Edward W. Davis, MD Providence Medical Office Building 545 N.E. 47th Avenue Portland, Oregon</p>		1949
<p>Francis A. Echlin, MD 100 East 77th Street New York, New York 10021</p>	Letitia	1944
<p>Dean H. Echols, MD 1550 Second Street New Orleans, Louisiana 70130</p>	Fran	Founder
<p>Arthur Elvidge, MD Montreal Neurological Institute 3801 University Street Montreal 2, Quebec, Canada</p>		1939
<p>Theodore C. Erickson, MD University Hospitals 1300 University Avenue Madison, Wisconsin 53706</p>	Martha	1940

ELECTED

Joseph P. Evans, MD American College of Surgeons 55 East Erie Street Chicago, Illinois 60611	Hermene	Founder	-
John D. French, MD The Center for Health Sciences University of California Los Angeles, California 90024	Dorothy	1951	-
James G. Galbraith, MD University of Alabama Medical Center 1919 Seventh Avenue, South Birmingham, Alabama 35233	Peggy	1947	-
Everett G. Grantham, MD 234 East Gray Street Louisville, Kentucky 40202	Mary Carmel	1942	-
James Greenwood, Jr., MD 1117 Hermann Professional Building 6410 Fannin Street Houston, Texas 77025	Mary	1952	-
Wallace B. Hamby, MD 3001 N.E. 47th Court Fort Lauderdale, Florida 33308	Eleanor	1941	-
Hannibal Hamlin, MD 270 Benefit Street Providence, Rhode Island 02903	Margaret	1948	-
Jess D. Herrmann, MD Post Office Box 135 Mountain Pine, Arkansas 71956	Mary Jo	1938	-
William S. Keith, MD Toronto Western Medical Building Suite 207 25 Leonard Avenue Toronto, Ontario, Canada	Eleanor	Founder	-
George L. Maltby, MD 31 Bramhall Street Portland, Maine 04102	Isabella (Sim)	1942	-

ELECTED

Augustus McCravey, MD 1010 East Third Street Chattanooga, Tennessee 37403	Helen	1944
Edmund J. Morrissey, MD 450 Sutter Street, Suite 1504 San Francisco, California 94108	Kate	1941
Francis Murphy, MD 3951 Gulf Shore Blvd. Naples, Florida 33940		Founder
Lawrence J. Pool, MD Box 31, West Cornwall Connecticut 06796	Angeline	1940
Robert H. Pudenz, MD 734 Fairmount Avenue Pasadena, California 91105	Rita	1943
Robert C.L. Robertson, MD Shamrock Professional Building 2210 Maroneal Boulevard Houston, Texas 77025	Marjorie	1946
Stuart N. Rowe, MD 302 Iroquois Building 3600 Forbes Street Pittsburgh, Pennsylvania 15213	Elva	1938
Henry G. Schwartz, MD Barnes Hospital Plaza Division of Neurolog. Surgery St. Louis, Missouri 63110	Reedie	1942
William B. Scoville, MD 85 Jefferson Street Hartford, Connecticut 06106	Helene	1944
C. Hunter Shelden, MD 734 Fairmount Avenue Pasadena, California 91105	Elizabeth	1941
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Ione

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Nelle

1938

Thomas A. Weaver, Jr.
 146 Wyoming Street
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Mary

1943

Barnes Woodhall, MD
 Duke University Medical Center
 Durham, North Carolina 27706

Frances

1941

CORRESPONDING MEMBERS - 22

ELECTED

Dr. Jean Brihaye 13 Rue Vergote Brussels, Belgium 5	1975
Karl August Bushe, MD Neurochirurgischen Klinik D-8700 Wursburg Josef-Schneider-Strasse 11 W. Germany	1972
Fernando Cabieses, MD Instituto Peruano de Fomento Educativo Av. Arnales 371, Of. 501 Apartado 5254 Lima, Peru	1966
Juan Cardenas y C., MD Av. Insurgentes Sur 594 Mexico, D. F.	1966
Juan C. Christensen, MD Ave. Quintana 474 8° A Buenos Aires, Argentina	1970
Giuseppe Dalle Ore, MD Dipartimento di Neurochirurgia Ospedale Maggiore 37100 Verona, Italy	1970
Hans E. Diemath, MD Prim. Univ. Doz Neurochir. Abt. D. Landersnervenklinik Salzburg, 5020, Austria	1970
Mr. John Gillingham Boraston House, Ravelson Edinburgh 4, Scotland	1962
Dr. Jaime Gomez Cra. 13 No. 43-23 Bogota 8, Colombia South America	1975
Mr. John Hankinson Dept. of Neurosurgery Newcastle General Hospital Newcastle-upon-Tyne 4 England	1973

ELECTED

Dr. Shozo Ishii Dept. of Neurosurgery Juntendo Medical College Tokyo, Japan	1975
Mr. Richard Johnson Dept. of Neurolog. Surgery Royal Infirmary Manchester, England	1974
Katsutoshi Kitamura, MD Univ. Kyushu Hospital Faculty of Medicine Fukuoka, Japan	1970
Kristian Kristiansen, MD Oslo Kommune Ullevål Sykehus Oslo, Norway	1962
Lauri Laitinen, MD Skogveien 15 5232 Minde Norway	1971
Walpole S. Lewin, MD Dept. of Neurosurgery Addenbrooke's Hospital Hills Road Cambridge, England	1973
William Luyenkijk, MD Pr. Bernhardlaan 60 Oegstgeest, Netherlands	1973
Raoul, Marios, MD Sao Paulo, Brazil	1978
B. Ramamurthi, MD 2nd Main Road G.I.T. Colony Madras 4, India	1966
Charles Suwanwela, MD Chulalongkorn Hosp. Medical School Bangkok, Thailand	1972

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Kjeld Vaernet, MD 1970
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Mr. Sidney Watkins 1975
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Dr. Gazi Yasargil 1975
Neurochirurgische
Universitätsklinik
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ACTIVE MEMBERS - 94**ELECTED**

Eben Alexander, Jr., MD
Bowman-Gray School of Medicine
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Betty 1950
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Louise 1967
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William F. Collins, Jr., MD Yale Univ. School of Medicine 333 Cedar Street New Haven, Conn. 06510	Gwen 131 Uncas Point Road Sachemo Head Guilford, Conn. 06437	1963
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Medical Center Hospital of Vermont Burlington, Vermont 05401	Burlington, Vermont 05401	
Charles G. Drake, MD University Hospital 339 Windermere Road London, Ontario, Canada N6G 2K3	Ruth 1545 Gloucester Road London Ontario, Canada	1958
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George Ehni, MD 1531 Hermann Prof. Building 6410 Fannin Street Houston, Texas 77025	Valerie (Lari) 16 Sunset Houston, Texas 77025	1964

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William H. Feindel, MD Montreal Neurological Inst. 3801 University Street Montreal, Quebec, Canada	Faith A-31 Cote Des Neiges Montreal Canada H3H 1W2	1959
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John R. Green, MD Barrow Neurological Inst. 302 West Thomas Street Phoenix, AZ. 85013	Georgia 2624 E. Crittendon Lane Sutton Place Phoenix, Arizona 84016	1953

ELECTED

John W. Hanbery, MD Division of Neurosurgical Stanford Univ. Medical Ctr. Palo Alto, California 94304	Shirley 70 Mercedes Lane Atherton, Ca. 94025	1959
Maj. Gen. George S. Hayes, MD 303 Skyhill Road Alexandria, Virginia 22314	Catherine	1962
E. Bruce Hendrick, MD Hospital for Sick Children 555 University Avenue Room 1502 A Toronto, Ontario R5G 1X8 Canada	Gloria 63 Leggett Avenue Weston, Ontario Canada	1968
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Roberta 1956
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ELECTED

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**Jane 1972
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Durham, N.C. 27707**

**Leonard Malis, MD
Mt. Sinai School of Medicine
5th Avenue & 100th Street
New York, New York 10029**

**Ruth 1973
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Hollis Hills, N.Y. 11427**

ELECTED

Frank Mayfield, MD 506 Oak Street Cincinnati, Ohio 45219	Queenee 1220 Roodwood Drive Cincinnati, Ohio 45208	Founder
Robert L. McLaurin, MD Division of Neurosurgery Univ. of Cincinnati, Med. Ctr. 231 Bethesda Avenue Cincinnati, Ohio 45267	Kathleen 2461 Grandin Road Cincinnati, Ohio 45208	1955
William F. Meacham, MD Vanderbilt University Hospital Division of Neurosurgery Nashville, Tenn. 37203	Alice 3513 Woodmont Blvd. Nashville, Tenn. 37215	1952
John F. Mullan, MD University of Chicago Clinics Dept. of Neurosurgery 950 East 59th Street Chicago, Illinois 60637	Vivian 6911 S. Bennett Ave. Chicago, Illinois 50549	1963
Blaine S. Nashold, Jr., MD Duke Univ. Medical Center Private Diagnostic Clinic Surgical Division Durham, North Carolina 27706	Irene 410 E. Forest Hills Blvd. Durham, North Carolina	1967
Frank E. Nulsen, MD Division of Neurosurgery University Hospital of Cleveland 2065 Adelbert Road Cleveland, Ohio 44106	Ginney 31200 Fox Hollow Drive Pepper Pike, Ohio 41124	1956
Guy L. Odom, MD Duke University Medical Center Post Office Box 3807 Durham, North Carolina 27710	Madaline 2812 Chelsea Circle Durham, North Carolina	1946
George Ojemann, MD University of Washington Department of Neurosurgery Seattle, Washington 98195	Linda 6424 E. Mercer Way Mercer Island Washington, 98040	1975
Robert Ojemann, MD Massachusetts General Hospital Div. of Neurological Surgery Boston, Massachusetts 02114	Jean 85 Nobscot Road Weston, Mass. 02193	1968

ELECTED

Burton Onofrio, MD Mayo Clinic Rochester, Minn. 55901	Judith 1105 10th Street SW Rochester, Minn. 55901	1975
Russel H. Patterson, Jr., MD Cornel Univ. Med. College 1300 York Avenue New York, N.Y. 10021	Juliet 535 East 86th Street New York, N.Y. 10028	1971
S. J. Peerless, MD University Hospital Post Office Box 5339 — Postal Str. A London, Ontario, Canada N6A 5A5		
Phanor L. Perot, Jr., MD Medical Univ. of So. Carolina 80 Barre Street Charleston, S.C. 29401	Elizabeth 704 Willowlake Road Charleston, S.C. 29407	1970
Byron Cone Pevehouse, MD 2001 Union Street San Francisco, CA. 94123	Maxine 135 Mountain Spring Ave. San Francisco, CA. 94114	1964
Robert W. Porter, MD 5901 East 7th Street Long Beach, CA. 90804	Aubrey Dean 5400 The Toledo Long Beach, CA. 90803	1962
John Raaf, MD 1120 NW 20th Avenue Portland, Oregon 97209	Lorene 390 SW Edgecliff Road Portland, Oregon 97219	Founder
Aiden A. Raney, MD 2010 Wilshire Blvd., Suite 203 Los Angeles, CA. 90057	Mary 125 North Las Palmas Los Angeles, CA. 90004	1946
Joseph Ransohoff II, MD N.Y. Univ. Medical Center 500 First Avenue New York, New York 10016	Rita 140 Riverside Drive New York, New York	1965
Theodore B. Rasmussen, MD Montreal Neurological Institute 3801 University Street Montreal 2, Quebec, Canada	Catherine 29 Surrey Drive Montreal 16 Quebec, Canada	1947

ELECTED

Hugo Rizzoli, MD Geo. Washington University Dept. of Neurosurgery 2150 Penn Avenue NW Washington, D. C. 20037	Helen 6100 Kennedy Drive Kenwood Chevy Chase, MD. 20015	1973
Theodore S. Roberts, MD Division of Neurosurgery Univ. of Utah Medical Center Salt Lake City, Utah 84132		1977
James T. Robertson, MD Semmes-Murphy Clinic 920 Madison Avenue, Suite 434 Memphis, Tennessee 38103	Valeria 628 N. Trezevant Street Memphis, Tenn. 38112	1971
Richard C. Schneider, MD University Hospital 1405 East Ann Street #579 Ann Arbor, Michigan 48104	Madeleine 2110 Hill Street Ann Arbor, Michigan 48104	1970
James C. Simmons, MD Semmes-Murphy Clinic Suite 201 920 Madison Avenue Memphis, Tennessee 38103	Vanita 190 Grove Park Road Memphis, Tenn. 38118	1975
Bennett M. Stein, MD New England Medical Center Hospitals Department of Neurosurgery 171 Harrison Avenue Boston, Massachusetts 02111	Doreen 16 Tamarack Road Weston, Mass. 02193	1970
James L. Story, MD 7703 Floyd Curl Drive San Antonio, Texas 78229	Joanne 3211 Stonehaven Road San Antonio, Texas 73230	1972
Thoralf M. Sundt, Jr., MD Mayo Clinic 200 1st Street SW Rochester, Minnesota 55901	Lois 1406 Weatherhill Court Rochester, Minn. 55901	
Anthony F. Susen, MD 3600 Forbes Avenue Pittsburgh, Pennsylvania 15213	Phyllis 3955 Bigelow Blvd. Pittsburgh, PA.	1965
William H. Sweet, MD Massachusetts General Hospital Div. of Neurological Surgery Boston, Massachusetts 02114	Mary 35 Chestnut Place Brookline, Mass.	1950

ELECTED

Ronald R. Tasker, MD Toronto General Hospital Room 124 - U.W. Toronto, Ontario, Canada, M5G 1L7	Mary 12 Cluny Drive Toronto 5 Ontario, Canada	1971
John Tew, Jr., MD Mayfield Neurological Institute of Cincinnati, Inc. 506 Oak Street Cincinnati, Ohio 45219	Susan 2145 East Hill Avenue Cincinnati, Ohio 45208	
George T. Tindall, MD Emory Univ. School of Medicine Division of Neurosurgery 1365 Clifton Road NE Atlanta, Georgia 30322	Suzie 859 Lullwater Parkway Atlanta, Georgia 30307	1968
John Tytus, MD Mason Clinic Seattle, Washington 98111	Virginia (Gina) 1000 NW Northwood Road Seattle, Wash. 98177	1967
Arthur A. Ward, Jr., MD Dept. of Neurological Surgery Univ. of Washington Hospital Seattle, Wash. 98105	Janet 3922 Belvoir Place NE Seattle, WA. 98105	1953
Clark Watts, MD Univ. of Missouri-Columbia N522 Medical Center Columbia, Missouri 65201	Patty 213 Devine Court Columbia, Missouri 65201	1975
W. Keasley Welch, MD Children's Hospital Med. Ctr. 300 Longwood Avenue Boston, Massachusetts 02115	Elizabeth 25 Gould Road Waban, Massachusetts	1957
Benjamin B. Whitcomb, MD 85 Jefferson Street Hartford, Connecticut 06106	Margaret 38 High Farms Road West Harford, Conn.	1947
Lowell E. White, Jr., MD Professor & Chairman Div. of Neurosciences Univ. of S. Alabama Mobile, Alabama 36688	Margie 912 Regency Drive W Mobile, Alabama 36609	1971

ELECTED

Robert Wilkins, MD
 Duke Univ. Med. Ctr. Box 3807
 Department of Neurosurgery
 Durham, North Carolina 27710

Gloria 1973

Charles B. Wilson, MD
 Dept. of Neuro. Surgery
 Univ. of Calif. Medical Center
 Third and Parnassus
 San Francisco, CA. 94122

1966

Frank Wrenn, MD
 123 Mallard Street
 Greenville, South Carolina 29601

Betty 1973
 712 Crescent Avenue
 Greenville, S. C. 29601

David Yashon, MD
 410 West 10th Ave., N. #911
 Columbus, Ohio 43210

Myrna 1972
 5735 Saranac Drive
 Columbus, Ohio 43227

Nicholas T. Zervas, MD
 Massachusetts General Hospital
 Fruit Street
 Boston, Massachusetts 02144

Thalia 1972
 100 Canton Avenue
 Milton, Mass. 02186

DECEASED MEMBERS — 24

		ELECTED
Dr. James R. Atkinson Phoenix, Arizona	(Active)	2-12-78 1970
Dr. Percival Bailey Evanston, Illinois	(Honorary)	8-10-73 1960
Dr. William S. Beswick New York, New York	(Active)	5-12-71 1949
Dr. Spencer Braden Cleveland, Ohio	(Active)	7-20-69 Founder
Dr. D.F. Keith Bradford Houston, Texas	(Active)	4-15-71 1938
Dr. Winchell McK. Craig Rochester, Minnesota	(Honorary)	2-12-60 1942
Dr. Wesley A. Gustafson Jensen Beach, Florida	(Senior)	7-16-75 1942
Dr. Henry L. Heyl Hanover, New Hampshire	(Senior)	3-1-75 1951
Dr. Olan R. Hyndman Iowa City, Iowa	(Senior)	6-23-66 1942
Dr. Kenneth H. Jamieson Brisbane, Queensland, Australia	(Corresponding)	1976 1970
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 Mixter Woods Hole, Massachusetts	(Honorary)	3-16-58 1967
Dr. Sixto Obrador (Alcade) Madrid, Spain	(Honorary)	1978 1973

Dr. Wilder Penfield Montreal, Quebec, Canada	(Honorary)	4-6-76 1970
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. David H. Reynolds Tampa, Florida	(Active)	4-3-78 1964
Dr. Samuel R. Snodgrass Nashville, Indiana	(Senior)	8-8-75 1939
Dr. O. William Stewart Montreal, Quebec, Canada	(Corresponding)	1948
Dr. Glen Spurling La Jolla, California	(Honorary)	2-7-68 1942
Dr. Hendrik J. Svien Rochester, Minnesota	(Active)	6-29-72 1957

PAST MEETING

ARIZONA	Phoenix, 1956	
BERMUDA	Hamilton, 1974	
CALIFORNIA	Los Angeles, 1941 Santa Barbara, 1953 Pebble Beach, 1959	Palm Springs, 1963 San Francisco, 1966 Pasadena, 1973
CANADA	Montreal, 1948 Toronto, 1958	
COLORADO	Colorado Springs, 1947, 1954, 1968	
DISTRICT OF COLUMBIA	Washington, 1961	
ENGLAND	Oxford, 1972	
FLORIDA	Miami, 1964, 1967	
GEORGIA	Sea Islands, 1957	
HAWAII	Mauna Kea, 1977	
ILLINOIS	Chicago, 1942	
LOUISIANA	New Orleans, 1939, 1962	
MASSACHUSETTS	Boston, 1960	
MEXICO	Mexico City, 1970	
MICHIGAN	Battle Creek, 1943	
MINNESOTA	Rochester, 1950	
NEVADA	Lake Tahoe, 1971	
NEW YORK	New York, 1952, 1969	
OHIO	Cincinnati, 1938, 1965 Cleveland, 1940	
OREGON	Portland, 1949	
SOUTH CAROLINA	Charleston, 1976	
TENNESSEE	Memphis, 1939 (Organizational Meeting)	
TEXAS	Houston, 1951	
VIRGINIA	Hot Springs, 1946, 1955	
WEST VIRGINIA	White Sulphur Springs, 1944	

FOUNDERS

Spencer Braden

Dean H. Echols

Joseph P. Evans

William S. Keith

Frank Mayfield

Francis Murphy

John Raaf

* * *

"PAST PRESIDENTS CLUB"

1938-39	Dean Echols	1958	Jess D. Herrmann
1940	Spencer Braden	1959	Edwin B. Boldrey
1941	Joseph P. Evans	1960	George S. Baker
1942	Francis Murphey	1961-62	C. Hunter Shelden
1943	Frank Mayfield	1963	Samuel R. Snodgrass
1944	A. Earl Walker	1964	Theodore Rasmussen
1946	Barnes Woodhall	1965	Edmund Morrissey
1947	William S. Keith	1966	George J. Maltby
1948	Howard A. Brown	1967	Guy L. Odom
1949	John Raaf	1968	James G. Galbraith
1950	E. Harry Botterell	1969-70	Robert H. Pudenz
1951	Wallace B. Hamby	1971	William B. Scoville
1952	Henry G. Schwarz	1972	Robert L. McLaurin
1953	J. Lawrence Pool	1973	Lyle A. French
1954	Rupert B. Raney	1974	Benjamin B. Whitcomb
1955	David L. Reeves	1975	John R. Green
1956	Stuart N. Rowe	1976	William H. Feindel
1957	Arthur R. Elvidge	1977	William Sweet

THE GRANDFATHERS' CLUB

George S. Baker
George S. Baker
Tom Ballantine
Edwin B. Boldrey
E. Harry Botterell
Howard A. Brown
Gale G. Clark
Donald F. Coburn
Charles G. Drake
Dean J. Echols
George Ehni
Joseph P. Evans
Robert G. Fisher
Eldon L. Foltz
Lyle A. French
F. John Gillingham
Philip D. Gordy
James Greenwood, Jr.
Wallace B. Hamby
Hannibal Hamlin
Jess D. Herrmann
William S. Keith
Kristian Kristiansen
Ernest Mack
George L. Maltby
Frank H. Mayfield
Edmund J. Morrissey
Gosta Norlen
Guy L. Odom
J. Lawrence Pool
Robert H. Pudenz
John Raaf
Joseph Ransohoff
Stuart N. Rowe
William B. Scoville
Henry Schwartz
C. Hunter Shelden
George T. Tindall
John S. Tytus
Alfred Uihlein
Thomas A. Weaver
Benjamin B. Whitcomb
Barnes Woodhall
Frank Wrenn

**Dr. Botterell's career saluted
in new hall's name**

By unanimous approval of the Board of Trustees, Queen's new Basic Medical Sciences/Library Building will be named Botterell Hall in honour of Dr. E. H. Botterell.

Dr. Botterell, one of Canada's most distinguished neurosurgeons, is currently Emeritus Professor in the Faculty of Medicine. He served Queen's as both Dean of Medicine and Vice-Principal (Health Sciences), and was the first ever to hold the latter responsibility.

Botterell Hall will be a key component of the \$106-million government-financed Health Sciences Complex which has been under construction in various stages for about five years. The section to be named for Dr. Botterell stands on the corner of the Angada Wing of Kingston General Hospital.

Two sections of Botterell Hall will be officially opened during Reunion Weekend this fall: a cancer research facility and the bi-level Health Sciences Library to be named for benefactor Dr. Franklin Bracken, Med. '11.

In announcing the building's name, University Secretary John Bannister wrote: "Members of the Board are well aware of Dr. Botterell's distinguished career in medicine and his significant contribution to Queen's and hope that the placing of his name on the building will give some indication of the esteem in which he is held."

Recommendations for the name came from both the Users' Committee and the Faculty Council in Medicine.



ARTHUR WARD

President 1978

