

THE

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OF NEUROLOGICAL SURGERY

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THE AMERICAN ACADEMY OF NEUROLOGICAL SURGERY



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1958 - 1959

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VOLUME 19 - NUMBER 1

MARCH 1959

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EDWIN B. BOLDREY
President

THE NEUROSURGEON

The ROUND ROBIN LETTER of
THE AMERICAN ACADEMY OF NEUROLOGICAL SURGERY

NOW THAT our most delightful and profitable meeting in Toronto has become a milestone in the history of the Academy, and the year of 1958 has rolled on its way into history, it is time for the first number of Volume 19 of our "personal journal". As is so often the case, some letters arrive after the publication has gone to press. Such was true on the last occasion. They are nonetheless important, interesting, and serve well for the purposes of continuity. They will see us on our way in the first number of our new year.

THE LETTERS

BENJAMIN BRADFORD WHITCOMB - September 4, 1958

I must enclose the accompanying picture merely to illustrate that all the fish aren't up the Rogue River and that there are a few in the State of Maine who continue to avoid the anglers' lures for a while at least. This lake trout weighed 31 pounds, 8 ounces, was 42 inches long, and is a record for this species in this region.

Don't let the look of delight on my face discredit my angler friend who dragged this monster from the depths of our lake, but I was proud to be close enough to be caught holding the critter when the picture was taken.

A 12 pounder caught an hour earlier in the same location we baked.

The other high spot of our summer vacation was the annual Monhigan Race with George Maltby and crew. No silver this year but nonetheless a good time.

I am now buried to my neck in medical records which always seems the worst bill for a summer vacation. We are trying to get into an academic atmosphere and look forward to the Toronto meetings.



One Happy Fellahl

COMMENT

What a catch! If Ben didn't have the picture to prove it, I wouldn't have believed anything like this ever grew that large in Maine. See the photograph of Bob Pudenz winning his tussle on the Rogue.

* * *

"Fishing is just a jerk at one end of the line waiting for a jerk at the other end."

"The longest way home is usually the one that appears on the expense account."

* * *

GEORGE L. MALTBY - September 11, 1958

It hardly seems possible that the date for the 1958 issue of *The Neurosurgeon* has come around. We are just a little way away from our meeting in Toronto, which should be an ideal and memorable occasion, being the 25th anniversary.

I am afraid I have very little in the way of news. We are doing more and more vascular surgery here and using hypothermia more and more in an effort to help our results. It has been my feeling that the technical problems, even to the hypothermia, are by no means as important as the judgement and decision about when and what cases surgery should be carried out on; and also what type of surgery should be carried out. Of course, this dates me back to my strong feelings that the neurological principals behind neurosurgery are basically as if not more important than the neurosurgical principals in many respects.

An outstanding event which comes each August for me is the ocean race, the Monhegan Island race, with Ben Whitcomb in his 50 foot yawl, the *Neurone*. This year we had a grand time as always, but didn't do too well in the race. As usual, I did the cooking and assisted in fouling up the spinnaker. All this, interspersed with a few comments about various neurosurgical problems.

Other than this increased activity in vascular surgery, especially aneurysms, there has been little change

in our routine here; although I must say in the last eight months we have had more tumors than we have had in any other eight month period prior to that, with an amazingly high percentage of them being meningiomas.

Sim and I are looking forward to the Toronto meeting with a great deal of anticipation. The family have had the usual summer go-around with the two middle girls hitting the tennis circuit and doing only fairly well this year; the eldest girl, Mimi, going to Harvard Summer School; and Michael at summer camp.

COMMENT:

It was such fun seeing Sim and George at the Toronto meeting and to see them both in such good form. George's comment that "the technical problems, even to the hypothermia, are by no means as important as the judgement and decision about when and what type of surgery should be carried out" is something too often forgotten. Moreover, some surgeons have that judgement and some never seem to obtain it.

* * *



Something to See

"The only thing that keeps some families from having a phone of their own is a teen aged daughter."

"Parents used to know best, but now they know better."

* * *

JOHN RAAF - September 15, 1958

I thought that a few excerpts from a letter which I received on August 11, 1958 might be of interest to some of the members of the Academy who are anxious to keep up on the recent developments in neurosurgery. This letter was written by the husband of a forty-seven year old woman (with seven children) whom I saw in May 1957 and again in September 1957. She had been involved in an automobile accident on July 14, 1956 and her complaints when we saw her were: (1) pain in the head; (2) weakness and aching of the shoulders; (3) impaired vision; (4) mental depression. She had typical hysterical "gun barrel" vision and we thought that many of her symptoms were on a functional basis. The interesting parts of the husband's letter are as follows:

"You had at the last exam said that you thought nothing was seriously wrong and she would get well. Since that time new techniques have been discovered in injuries of this kind enabling the doctor to pinpoint disc damage, namely the myelogram and discogram. Dr. _____ and Dr. _____ did those in July and it was found four discs in the cervical were ruptured. Three were bad, and one minor. She was operated on July 25, 1958 and the bottom two were fused, new bone put into the discs. The operation was completely successful in that her paralysis of the left arm and leg have disappeared, her headaches are gone, and her eyesight improved to the extent she only requires glasses for fine reading. I brought her home from _____ Hospital July 29 where she is now a bed patient pending the bone healing.....Our lawsuit comes up for trial in Los Angeles September 23."

I wish that some member of the Academy would report at our next meeting in Toronto on these newer techniques so that some of us can catch up on the modern methods of treatment.

COMMENT:

No comment was made, as far as I can recall, about the newer treatments for the cervical disc situation. Perhaps this may be done more frequently, but I doubt it as my agents have already reported numerous quite undesirable complications of the procedure. I am always amazed at the length of time it requires for a procedure to be abandoned. If one thinks a bit, he can recall many operations done frequently some ten years ago - procedures that no longer are carried out.

It was a happy occasion seeing John in Chicago at the Western Surgical Association meeting. The weather was perfect. We took in the play "Auntie Mame", and I must say it left much to be desired. I guess the book was, or I hope, more enjoyable.

* * *

"Anybody who thinks the automobile has made the American people lazy, certainly is not a pedestrian."

"Everybody should have some form of relaxation, even golfers."

* * *

WILLIAM B. SCOVILLE - September 18, 1958

I fear it is too late for the Round Robin! Nothing has changed too much in Hartford except for a few odds and ends of improvement here and there. Reilly and Dunsmore have set up Leksell's stereotaxic x-ray machine in which to carry out a research project in extrapyramidal diseases of children and adults. They feel this machine is the simplest of the accurate machines. We are having our trials making vertebral angiographs simple enough to carry out on all negative carotid angiogram cases and so far have not succeeded in duplicating the ease of the latter. We have some success with the side hole English Shelden needle except that vasospasm seems to enter before completing the pictures. We have just started using the superior submastoid approach, needling the horizontal section of the vertebral. Its advantages appear to be the absence of pain, absence of spasm, and the ability to move the head in all positions for taking pictures without dislodging

of the needle. In passing, I mention the metal plunger SanaLok control BD 10 cc syringes in which the plungers never stick, consequently are ideal for angiography and ventriculography. I had to travel to Italy to discover them.

This Spring I attended the annual Italian and French Speaking Neurosurgical meetings at Florence and Toulouse, respectively. There are a very small number of fully trained senior neurosurgeons in all Italy so that it is not unusual for them to have 350 verified brain tumors each year at their principal neurosurgical centers -- a rare concentration of cases in this country. The French, largely through David's efforts, have organized a European Neurosurgical Society, in competition to the International Congress of 1961 in Washington, which is to hold its first joint meeting with the French Speaking Society at Zurich next year. The Scandinavians and British will probably attend as interested observers, and as yet there is no formal organization.

For the ski-minded, I mention that there is unbelievable skiing "all year round" at Cervinia, the Italian side of the Materhorn, with great expanses of corn snow from steepest to near level slopes, beginning in April until Fall.

COMMENT:

Bill is probably the Academy's best ambassador abroad and best informed concerning neurosurgeons and the neurosurgical situation on the Continent. Earl Walker comes into the picture in the same way. Just to point out how time marches on, Bill's son is in his second year at the Johns Hopkins Medical School.

* * *

"Throw rug: A small rug that usually throws anyone that steps on it."

"Nothing can redistribute the wealth faster than a race horse."

* * *

The photograph on page 10 of Lorene Raaf, Enid Baker, Reddie Schwartz, and Jean Raaf taken in Virginia City was obtained through one of our Western agents. The girls look real quaint.

LOST!



"MONTANA" GIRLS

REWARD * \$5,000 * REWARD

Mail or send to 3-7-77 Historic *Virginia City, Montana*

WANTED



The Plummer Gang

REWARD * \$5,000 * REWARD

Confederate Currency

DEAD OR ALIVE!

Mail or send to 3-7-77 Historic *Virginia City, Montana*

Not long after our agent sent in a photograph of the Virginia City "MONTANA GIRLS", he linked them up with "THE PLUMMER GANG".

* * *

"An old timer is one who remembers when spring was heralded by bare feet instead of bare midriffs."

"Some wives frown on their husbands' poker parties; others have lucky husbands."

* * *

WILLIAM H. SWEET - September 19, 1958

This summer at the International Cancer Congress in London, I not only learned a good many new items of special neurosurgical interest, but was also the happy recipient of superb instruction as to how one of these congresses should be run. The conduct of the professional and the especially attractive social sections put on by the British set a new high. This type of precedent puts an even larger burden on us as hosts for the next International Neurosurgical Congress than I had heretofore realized.

Of the scientific papers presented at the London Congress, the two of perhaps greatest interest to neurosurgeons are those on hypophysectomy by Baron and others which appeared in the British Journal of Surgery, Volume 45, p. 593, 1958, and the article by Forrest, Blair, and Valentine which appeared in The Lancet, No. 7039, p. 192, July 26, 1958.

COMMENT:

I believe all of us will agree the Canadians manage to put on especially attractive social functions and that their banquets have an air of pomp and circumstance that puts the affair much above the ordinary.

Insofar as the problem of hypophysectomy is concerned, I believe cyclotron radiation is going to obsolete most of the other methods.

"I never said I didn't like her," remarked a woman in a show of self defense, "I merely stated that all the polish she had was on her fingernails."

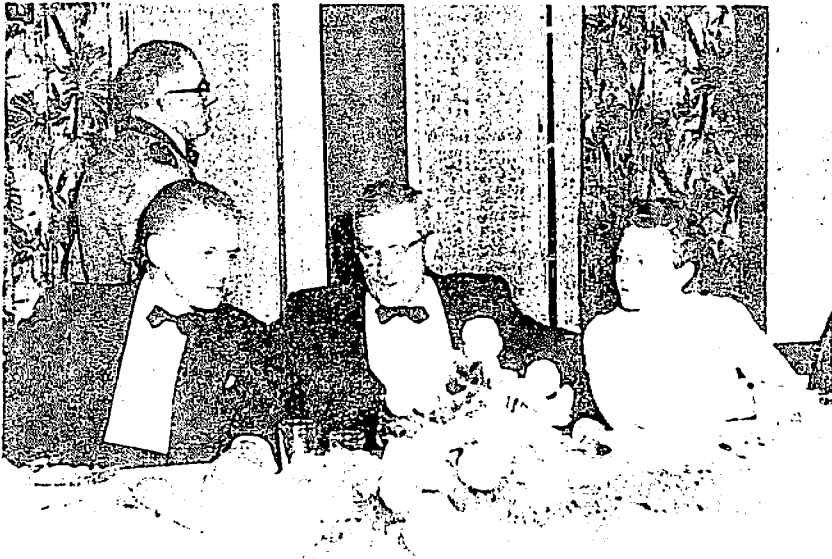
* * *

EDWIN B. BOLDREY - September 25, 1959

The passage of time has caught up with me again; I hope I am not too late for The Neurosurgeon.

The Award Committee is completing consideration of six excellent manuscripts from five authors. The decision will be announced soon. It seems to me this has been a very good response.

Unfortunately for me, the Rogue River Neuro-surgical Society meeting had to be bypassed this year, but a detailed report from Sam Snodgrass last night indicates that



An Interesting Story

it was a worthwhile session. Bob Pudenz phoned on the way up. During the summer we had an interesting experience with one of Frank Mayfield's spring clips. Applied to the middle cerebral in a badly scarred situation, it was found to have produced incomplete occlusion when a follow-up angiogram was obtained. The reason for this became evident at a subsequent procedure - a dense piece of scar wedged between the jaws of the clip and prevented apposition. This was surprising to me. I have no other explanation to give though. This was the only unusual feature in the second operation. I would not have thought it possible.

In the majority of conversations I have with members of the Academy, concern over the membership and future seems to come up in one form or another. It is obviously a matter which is receiving the consideration of all of us. I hope that at the Toronto meeting some happy crystallization of all this can come about.

COMMENT:

The paper of the Academy Award Winner was quite good. This has been a very good contribution to the development of the Academy.

Helen and Ed should have a busy time making arrangements for the meeting of the Academy next year at the Del Monte Lodge at Monterey. This is truly a beautiful setting, and with the opportunity of a stopover at a city as attractive as San Francisco, it should be doubly worthwhile.

* * *

"You cannot help the poor by destroying the rich."

- Abraham Lincoln

"He reminds me of the man who murdered both his parents, and then when sentence was about to be pronounced pleaded for mercy on the grounds that he was an orphan."

- Abraham Lincoln

"Brigands demand your money or your life. Women require both."

- Samuel Butler

ROBERT L. McLAURIN - September 26, 1958

The most important thing that has happened to me recently has been the acquisition of an associate. Since Joe Evans left for his position in Chicago in 1954, I have been attempting to get oriented and to carry on the fine traditional service which he had organized. The result was an increasing respect for his previous labors in Cincinnati. Every time I thought I had learned how to hit a screw-ball, someone would throw me an inside curve. On July 1, I found an expert on inside curves, one Dr. Robert Nugent who just completed his training at Duke. Fortunately, I was able to entice him back to Cincinnati where he had gone to medical school. I believe that we will all hear more of Bob in the future as he has impressed me as a very promising and capable individual.

Our interest has continued in the investigation of metabolic responses following cranial surgery and trauma. We have noted a very significant nitrogen catabolism following trauma and we have not been able to detect any decrease of the negative nitrogen balance as a result of nitrogen feeding. If the observations are valid, there is no advantage to starting early protein supplementation to the nutritional support. Probably, calories are more important than protein at that stage.

To return to the matter of selection of new members, and apropos the remarks of Bill Sweet in the last Round Robin, most of which I agree with, I am compelled to rush to the defense of the recently acquired members of the Academy. A survey shows that during the interval 1953-1956 six new members were elected. During the years 1955-1957 (3 years) a total of nine papers have been presented by these six men. Frankly, I believe the newer members have held up their end of the programs, and I cannot accept the statement to the contrary without this rebuttal. The whole point is that I agree with the high degree of selectivity which has been exerted in the past - the mechanics of the selectivity is fairly unimportant - and particularly I agree with what Bill calls the "pedestrian rate of growth."

A final comment regarding the Toronto meeting. I want to express publicly and in print my appreciation to Harry Botterell for his patience in dealing with a novice as Secretary. I am sure there are many ways I could and should have been of help but wasn't. I feel very strongly that the success of the meeting, and there is no doubt about its success, will be attributable exclusively to the efforts of the Toronto members.

COMMENT:

Bob has defended the new members and the papers they have presented, and there would appear to be no rebuttal. Bob has a large order on his hands running such a neurosurgical service as that at the Cincinnati General Hospital. I am glad he is getting some much needed help. I am sure in his quiet way he will have a bang-up service there and will not become a sub-section of neurology.

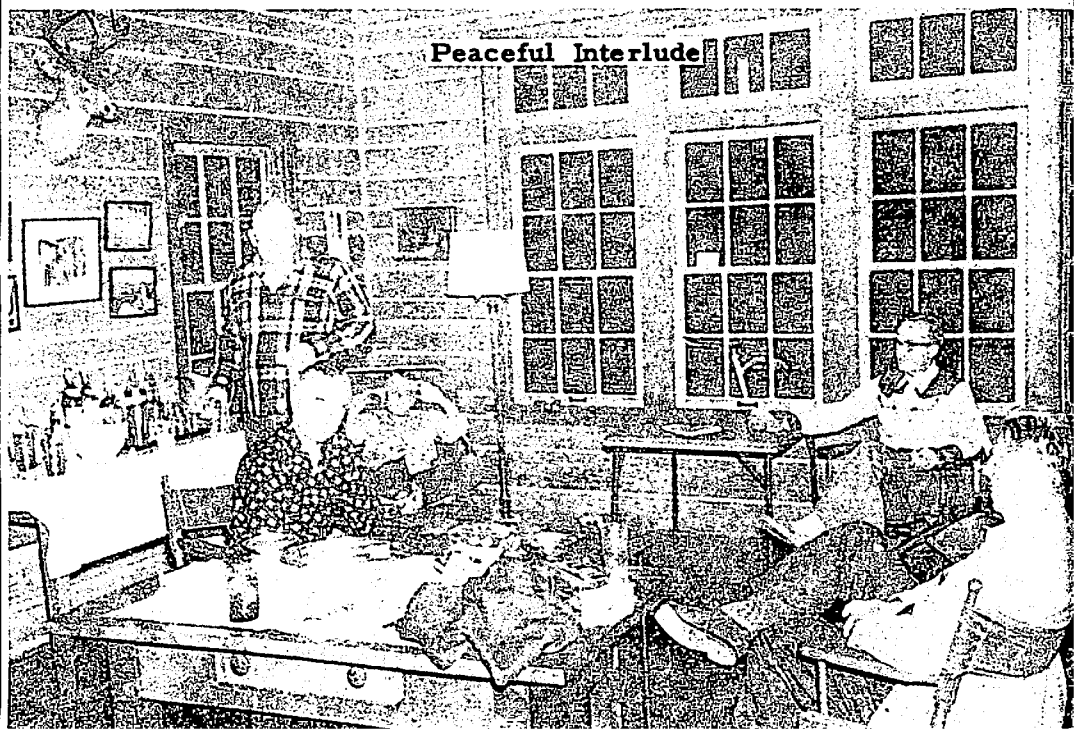
I don't believe there need be any fear of the Academy growing too rapidly, no matter what method is tried. When some of us older crocks start slipping out of the picture, it may become smaller than ever. There is no question of the success of the efforts of our Canadians from Toronto in putting on a most memorable meeting, but our Secretary-Treasurer is being entirely too modest.

* * *

"If you want to let the rest of the world go by, just drive within the legal speed limit."

* * *

The letter and the minutes of the meeting of The Rogue River Neurosurgical Society which follow on the next few pages have been sent in by John Raaf for inclusion in The Neurosurgeon.



C. Hunter Sheldon, M.D.
Robert H. Pudenz, M.D.
Edwin M. Todd, M.D.
744 Fairmount Avenue
Pasadena, California

October 10, 1958

John E. Raaf, M. D.
833 S. W. 11th Avenue
Portland 5, Oregon

Dear John:

Attached are the Minutes of the Rogue River Neurosurgical Society which I thought you might like to read. You can forward them, along with Rusty's photograph, to Dave Reeves.

Rusty and I certainly enjoyed our trip, and Rusty's letter seems to express his enthusiasm.

With best wishes, I am

Cordially yours,



Robert H. Pudenz, M. D.

RHP:fk

P.S. The smoked steelhead arrived, and is delicious.

Meeting of The Rogue River Neurosurgical Society
September 18-24, 1958

The Rogue River Neurosurgical Society, splendidly hosted by John Raaf, held its annual meeting at Crooked Riffle Lodge from September 18th to 24th. It was a session highlighted by the ultimate in good fellowship, humor, relaxation, and the culinary arts.

The Rogue River area is one of the scenic wonderlands of Western U. S. A. The mailboat trip on the river from Gold Beach to Agness is worth the trip. It is interesting that the river did not get its name from its wild and roguish behavior during spring floods, but from another interesting source. It seems that the French-Canadian trappers who first explored the area were impressed by the mischievous nature of the Indians who inhabited the area and called them "Les Coquins." The river became known as "La Riviere aux Coquins." This was rather loosely translated into Rogue River by the English-speaking settlers who arrived later.

The Academy members who attended were George Baker, Rupert Raney, Wesley Gustafson, Sam Snodgrass, John Raaf, and your correspondent. Guests included Paul McMaster (pity the poor orthopod!), and my son, Rusty.

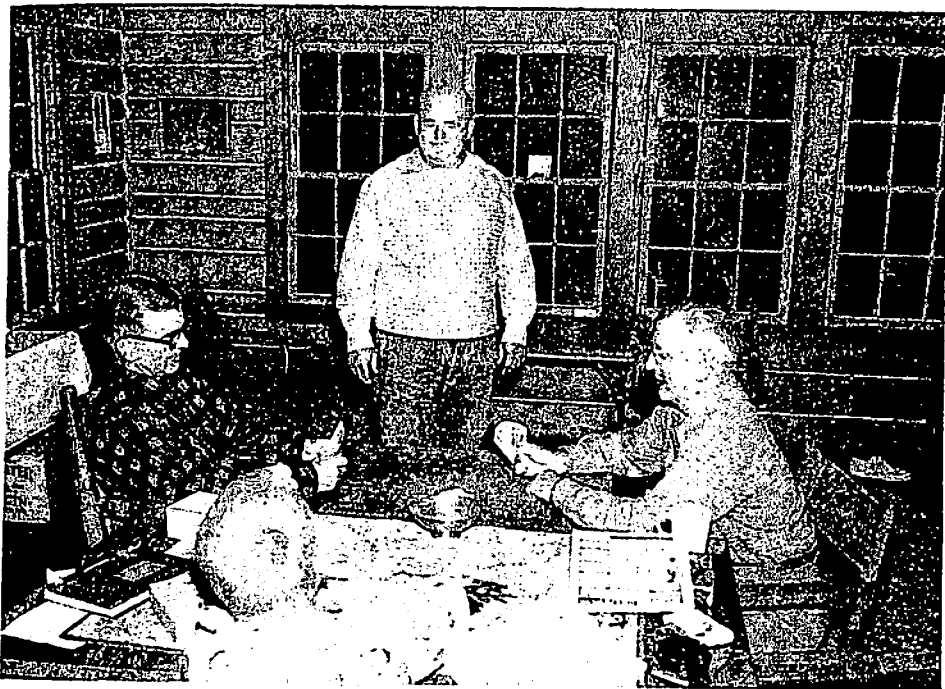
Honors for providing the greatest number of laughs go to the Complete Angler, Rupe Raney. Rupe has been around enough Western campfires to have mastered the art of yarn-spinning. His discussions after dinner were classics and worthy of recording. The prize gem concerned the derivation of the word "Hoosier"! It seems that the people who settled Indiana came through the Cumberland Gap guided by Daniel Boone and one of Rupe's ancestors, Triggerfoot Cawthorn. As they posted their watches at night, the challenge "Who's there" would periodically ring through the sleeping camp. As time passed, these people changed this to "Who's 'ere" and eventually, "Hoosier." "Hoosier" became the byword of the meeting and never failed to precipitate a state bordering on hysteria. (Warning to Rupe: Don't read the definition of "Hoosier" in Webster's New World Dictionary).

Rupe also told us about a skittish horse of his acquaintance who could only be managed if treated with kindness and gentleness. The only problem involved was that it was first necessary to clobber said horse on the head to get his attention.

Sam Snodgrass earned the nickname of "Steelhead Sam" by dint of his daily appearance around the bend of the river dragging a nice string of steelhead behind him. Inasmuch as Sam was a lone wolf type of fisherman, we are still wondering whether he found a secret spot or a small boy with dollar signs on his eyeballs.

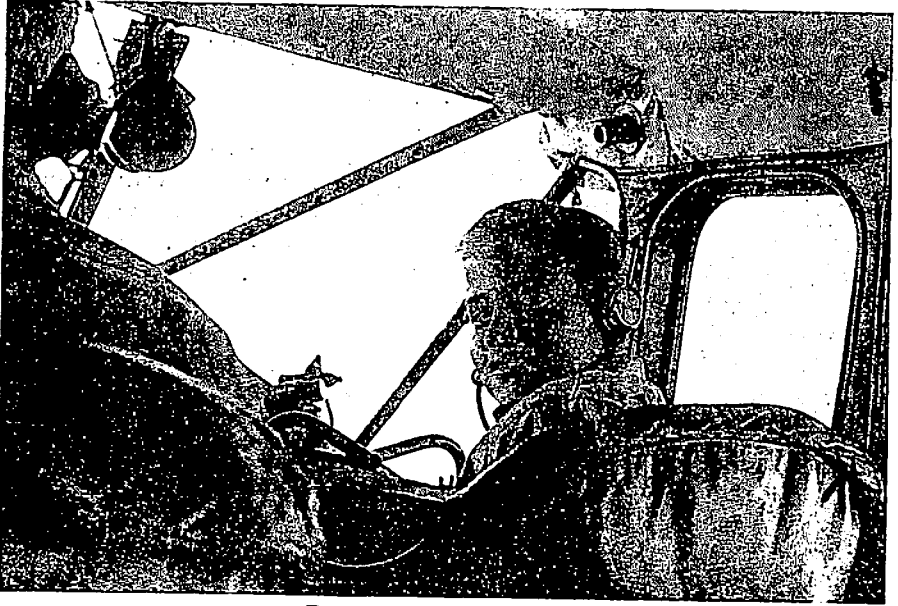
No one seemed to thrive more in the Oregon fresh air and sunshine than Wes Gustafson. Thanks to the climate and Mrs. Bolton's cooking, Wes gained five pounds in weight, and high color in his cheeks. He lost a beautiful fish on his first day out, just as he was about to beach it.

George Baker and Paul McMaster engaged in some keen competition in both fishing and gin rummy. George upheld the honor of the Mayo Clinic in the piscatorial art, but Paul had his revenge at the card table. Incidentally, George provided us with lots of nice breakfast trout.



Card Sharks

In true Western style, Ernie Mack flew from Reno to Gold Beach with his pilot friend, Ted Morrell. Ernie proved himself to be quite an artist with the fly rod and caught more than his share of steelhead. Ernie and Ted provided one small boy, Rusty Pudenz, with a big thrill by inviting us to fly with them from Gold Beach to Reno. The enclosed photograph of Rusty in the co-pilot's seat was taken during the flight.



Rusty as a Co-Pilot

Rusty provided the group with a bit of excitement when he lost his footing on a slippery rock and lacerated his left hand to the tune of six sutures. John Raaf was chief surgeon and had no end of professional advice as our colleagues can well imagine.

This report cannot be closed without mentioning a hare-brained incident involving your correspondent. Late in the day I latched into a real whopper and, after playing him until he was belly-up, coaxed him into a small inlet among the rocks. While reaching down to put my hand under his gills, he gave a sudden lunge and cut the line on a sharp rock. In the excitement I fell on him and both of us went into the water. Fortunately, the fish was badly stunned and by diving down into the pool I was able

to retrieve him. Even though I wrecked my watch and a few other things, the fish was worth it, inasmuch as he was the jackpot steelhead of the meeting.

It was a great and memorable meeting. John Raaf deserves the highest praise for his thoughtfulness and organizing ability. He proved conclusively that fly fishermen are superior to spin fishermen in "ketching" steelhead. To paraphrase Wallace Irwin:

Of all the fish that swim or swish
In river's deep autocracy
There's none possess such haughtiness
As the steelhead aristocracy.



The Skin Diver Gets His Fish



Cheerio



A Fling!



The Meeting Begins



Bus Stop

A. EARL WALKER - December 3, 1958

It is always unfortunate to miss a meeting of the Academy and particularly so this year in Toronto. Having experienced the hospitality of Toronto members on several previous occasions, I know that this November will be remembered as the time of one of the most outstanding meetings of the Academy. However we do not have the opportunity of visiting San Francisco and California very often and accordingly when the Congress of Neurological Surgeons invited me to talk to them at their annual meeting this year I felt that it would be an opportunity for Terry and me to see the West Coast which we might not get again for a long time. And I must say that it was a delightful occasion, both at the Congress meetings and subsequently in our little tour around the Golden State. In the course of our travels we cased the site of next year's meeting. With a setting like Monterey the Academy has a background for not only a delightful scientific meeting but also an enjoyable social holiday. On our way back we stopped off at Las Vegas to see the surrounding scenery and enjoy the local festivities. From the comments of the passengers as they boarded the plane at Las Vegas for the East I gathered that they all had enjoyed themselves but were going home considerably lighter than they had come.

Business here seems to be pretty much of the routine neurosurgical variety with perhaps some emphasis on neck pain and convulsions. We have been doing a considerable number of anterior fusions for cervical arthritis and spondylosis, finding the procedure to be quite effective. Our experiences with the surgical treatment of epilepsy are being analyzed at the present time. The more I see of this subject, the more complex it seems to be.

I am more and more disturbed with the amount of law which is entering into the practice of medicine. I'm not referring to the malpractice suits, which are bound to occur at times, but to compensation and personal liability suits. Along with several other of our members, I have been participating in the Law-Science Courses given by Hubert Winston Smith at the University of Texas. Dr. Smith, who holds both law and medical

degrees, is an amazing individual, who has sparked a movement to improve the scientific background of law. One cannot help but be impressed with the caliber of some of the members of the legal profession and with their insight into medical problems. Now that the public has become so sensitive to personal injury and liability, it seems that very little happens to a person nowadays that can't be blamed upon someone else by some means or other. Somehow I think that our society is going to have to meet some very basic questions, for our present social order cannot exist in the face of large judgements, such as a quarter of a million dollars. There will have to be some kind of compromise between our economic state and equitable awards.

The Latin American Congress in Santiago promises to be interesting. If any of the members are desirous of a nice trip, as well as a good scientific session, they might find it on the way to Santiago, Chile, the middle of next April.

COMMENT:

Earl is so right about the entrance of law into the practice of medicine. Somewhere along the line your reporter heard that about 75% of the cases going to jury trial were personal injury or liability cases. There is in my opinion a very easy way to put a damper on the enthusiasm of the ambulance chaser, and that is by eliminating the contingency fee basis. This, I understand is true in England where it is not allowed. Why should any attorney be allowed 50% of the take, which in a case where the judgement is a quarter of a million dollars would mean the attorney would pick up about \$125,000. If any of us made a charge like that in any case one would hear the hue and cry from here to China. It is said in defense that he might not pick up anything, that he is taking a risk in spending his time defending the case. At the same time, he is perfectly able to look the situation over in order to decide whether there is a reasonable or good chance of his winning or obtaining a judgement on the basis of nuisance value. I should think if his fee were limited to \$2,500 that would represent a very adequate compensation in most instances.

The Latin American Congress of Neurological Surgery from April 12 to April 15 in Santiago, Chile should prove most interesting and I know several of the neurosurgeons are going there prior to the meeting of The Harvey Cushing Society in New Orleans. The program appears to be a good one. In addition to the Eighth Latin American Congress of Neurological Surgery under the presidency of Alfonso Asenjo, there will be the Fourth South American Congress of Electroencephalography and Clinical Neurophysiology, and an International Symposium on the Frontiers in Neurology. Lastly, there will be the First International Congress of Nursing in Neurosurgery.

Earl has not said so, but he will give the presidential address at the International Symposium on the Frontiers in Neurology, and this will be "Future of the Research in Neurology".

* * *

"Many a jay walker tries to go through traffic exactly as if he were a motorist."

"A jack rabbit start is the sign of a harebrained driver."

"A mirror is something a woman will consult at any time except when pulling into a parking space."

* * *

RUPERT B. RANEY - December 4, 1958

A few snapshots seem to have developed from the Toronto meeting, and I am enclosing them herewith for you to use should any of them seem appropriate.

Alta joins me in our Christmas greetings to the American Academy, and with the Toronto meeting past history, we are looking forward to the coming meeting at Del Monte.

After leaving Toronto we had an uneventful trip to Evansville, and from there we took off for a few days of quail hunting. The weather was exceptionally good and quail were plentiful.



The Hunt Club Bar

The meeting called by Dr. Murphey and Dr. Semmes in Memphis for December 5 is one that I regret very much missing. However, the airplane strikes have fouled up accommodations, and I will therefore be looking forward to reports of the meeting at a later date.

Nothing much of unusual neurosurgical interest has confronted us recently, except possibly an 18 year old girl who presented herself with rather typical hypopituitary changes and a bitemporal hemianopia. She was operated upon some four months ago and a prechiasmal cystic craniopharyngioma was removed without technical difficulty and with prompt visual improvement. This was short-lived, however. A couple of months later, after an operation for acute appendicitis, the bitemporal hemianopia increased. This time a large, fairly solid, well-circumscribed post- and subchiasmal tumor was removed in fragments without technical difficulty. This lesion was approximately 2-1/2 cm. in its greatest diameters and showed the usual microscopic picture. All went well until about two weeks ago, when the patient developed a complete third nerve palsy on the right side, the side of her good vision. In addition, there was mild intermittent headache with vomiting. Angiograms showed straightening of the carotid siphon

on the right side and some elevation of the middle cerebral artery. A temporal exposure was done with removal of the anterior third of the temporal lobe. Again we encountered a craniopharyngiomatic cyst, some above but the largest portion of the cyst below the tentorium in the anterior portion of the posterior fossa. The removal of this cyst left in view the cranial nerves in the area, and the operation was well tolerated. Perhaps the only thing of interest here is, when will indications for further surgery appear, and where is the lesion going to be?

COMMENT:

The Academy is indebted to Rupert for the excellent photographs he sends in to THE NEUROSURGEON. Without his continued contributions, we would be missing many excellent candid camera shots.

Rupert's case report has proven most interesting, and reveals how extensive these craniopharyngiomas can be and how impossible of complete removal.

* * *

"Uncle Sam seems to be in the peculiar position of having more allies than friends."

"The yearly crop of graduates will soon be seeking positions - and accepting jobs."

* * *

C. HUNTER SHELDEN - December 5, 1958

I have very little to add to this issue of THE NEUROSURGEON, but I am sending you this brief contribution.

We have finally entirely completed all the complexities of building and organizing an office, but the fact that it is across the street from the Huntington Memorial Hospital has reduced the amount of travel and the amount of wear and tear, so that it certainly proved to be a most worthwhile venture.

In the past few months we have started a research program on vascular problems and possible ways and means of resecting and anastomosing small intracranial vessels.

I was sorry to miss the Academy meeting in Toronto, but I had previously committed myself to present a paper in Mexico City on the compression procedure of trigeminal neuralgia. Bob gave me a glowing report of the meeting in Toronto, and apparently the scientific papers as well as the entire meeting were a great success. From his reports, Harry Botterell's Institute is beautiful, but I cannot think of anybody who more justly deserves such an excellent workshop.

COMMENT:

Hunter and Bob deserve much credit for establishing their research institute near the Huntington Memorial Hospital and without the aid of a medical school or other similar established facilities. We have found the convenience of an office across from the hospital invaluable and have been able to purchase more land adjacent to our present offices for the construction some day of a truly fine place for our work.

* * *

"Wedding: A ceremony in which a woman accepts a man for the sake of marriage while a man accepts marriage for the sake of a woman."

"Clothes don't make the woman but they often show how she is made."

* * *

W. A. GUSTAFSON - December 9, 1958

Attended the meeting in Toronto and enjoyed it very much. Haven't too much that is new to report but I did write to Dr. Peter Murphy because of the interest in his angiography paper that he was unable to present, and below is a minor transcript of the technique, which I thought might be of interest since it is a bit better

description than what we had. If I receive any further information prior to publication, I will be sure to write you further.

"Concerning the catheter angiography referred to; the superficial temporal artery is exposed in front of the ear. Two catgut ligatures are placed around the artery and a polyethylene catheter is prepared so that it will fit a blunt nosed 18 gauge needle which is, in turn, attached to a two-way stopcock. The artery is then incised for half of its circumference and the catheter is introduced into the superficial temporal artery, the artery being bound tightly to it with one of the catgut ligatures. Then the other ligature is tied completely to prevent back bleeding from above.

"In general, a carotid angiogram may be obtained at a depth of 10 to 15 cm. from the incision in the artery, in an adult; the vertebral artery can often be caught at 17 to 19 cm. from the incision in the artery. This is, of course, much easier on the right side where the innominate artery is present than on the left. In other words, in order to obtain a vertebral angiogram, one simply advances the catheter a few centimeters further. One advantage of this technique, is, of course, that one can use thorotrast instead of diodrast if one is dealing with a patient who is sensitive to diodrast or with an aged person.

"To repeat, this was not my invention but the invention of my associate, Dr. Robert Mendelsohn with others. I have used it, however, and find it to be quite satisfactory. It is certainly a lot easier than trying to hit a carotid artery in a fat-necked person or a vertebral artery in anybody." (James Peter Murphy, M. D.)

COMMENT:

Jennie and Gus were much in evidence at the Toronto meeting where Jennie, of course, was President of the Women's Auxiliary. The arrangements for the meeting were superb and the banquet quite outstanding. The Academy Members are certainly married to a beautiful group of women, as anyone will have to admit if they were at the banquet.



Jennie with the Evening's Speaker

* * *

"In the moral language communism is intrinsically evil - it is evil because it submerges and destroys personality to the status of an ant hill".

- Bishop Fulton Sheen

* * *

ERNEST W. MACK - December 11, 1958

It is a great pleasure once more to prepare a few notes for the next issue of THE NEUROSURGEON. I am sure I share with the other members of the Academy the feeling so widely expressed that the Toronto meeting was an exceptionally good one and reflects the tremendous organizational abilities and energies of Harry Botterell. I must say that, in addition to the splendid professional program, I thought the ceremonies on Saturday morning were exceptionally fine and considered one of the outstanding pleasures I have experienced in the past few years.

As you know, yours truly has the questionable honor of being Secretary of The Western Neurosurgical Society and in this connection I am happy to announce at this time that the meeting of the Society is to take place between the dates of September 27th and 30th, 1959, and

that this meeting is to be held at the La Valencia Hotel in La Jolla, California. It is hoped that any members of the Academy who might be traveling this way at that time of the year, or who might be interested, might find it enjoyable and worthwhile to attend this meeting. The program this year is to be held under the direction of Bob Pudenz which, of course, insures that we will have a very interesting and well rounded program.

It is with great pleasure that I am about to announce that at long last my associate, Dr. Adolf Rosenauer, will be assuming his full share of the practice and I am sure this will be of interest to many of the Academy members who already have had the pleasure of knowing Doctor Rosenauer and enjoying him.

COMMENT:

The meeting of the Western Neurosurgical Society was held at the Del Monte Lodge, Pebble Beach, California, October 20, 21, and 22, 1958, and was a most enjoyable affair. I think we can all look forward to the next meeting of the Academy there, for it is truly a beautiful spot. Officers of the Western Neurosurgical Society for the coming year are all members of the Academy. Rupert Raney is president, Edmund Morrissey



Four Westerners

is vice-president, and Ernest Mack is secretary-treasurer. Howard Brown was president last year. One of the papers, "Hypophysectomy by Means of Cyclotron Radiation", given by John H. Lawrence, James L. Born, and Cornelius A. Tobias from the Donner Laboratory of Biophysics and Medical Physics at the University of California, Berkley, California was particularly interesting. Proton radiation will be used more frequently for destructive lesions if one can afford or arrange to have a cyclotron.

* * *

"A man can often dry his wife's tears with a dish towel."

"Optimists make good salesmen; pessimists good credit men."

* * *

DEAN H. ECHOLS - December 13, 1958

I was half a day late to the wonderful meeting of the Academy in Toronto because the Southern Medical Association, which has a section on neurology and neurosurgery, was meeting in New Orleans. John Meredith gave an interesting paper about a parasagittal meningioma which recurred nine years later, became progressively more malignant, and caused death by metastasizing to most of the organs in the body. If John is correct about this, it simply emphasizes the fact that more than 99% of meningiomas, whether malignant or benign, do not metastasize to distant organs.

My paper on "Trigeminal Neuralgia" was written largely to support the theory of Sheldon and Pudenz, and also of Schwartz, that the lesion in this disease is probably in the lower medulla and upper cervical cord. Henry Schwartz's former resident, King, produced tick-like states in cats by injecting aluminum gel into the trigeminal nucleus and studied the trigeminal potentials. So far, he has published four papers on this general subject in The Journal of Neurosurgery. In the January issue of the Archives of Neurology and Psychiatry, List and Williams put all known facts and theories to-

gether and concluded that tic douloureux is due to metabolic changes in the ganglion cells of the trigeminal nucleus, and that the attacks of pain represent a multi-neuronal pathologic reflex elicited by stimulating the trigger zone. The afferent impulse from the trigger evokes a pathologically increased delayed response in the trigeminal nucleus. From there, efferent impulses are conducted back to the periphery, where they reverberate and excite the central trigeminal connections. This process of self-exciting, repetitive after discharge, continues until the firing neurons become refractory. I am sold on List's theory because it explains everything I know about the disease, including its occasional occurrence with angle tumors and multiple sclerosis, the remissions, the occasional temporary relief from great auricular neurectomy, improvement with B-12, and the good results obtained with any and all operations on any part of the nerve, including the injection of hot water into the gasserian ganglion. We strongly favor the "decompression-compression" operation with at least



An "Old Timer" Speaks

some resulting patchy numbness of the face, because 15 of our first 18 patients have gone an average of 39 months without a recurrence. The three who did have a recurrence of pain were treated by root section, one, two, and four and a half years later.

Isn't it about time to add another Honorary Member to our roster? A glance at the roster of the Society of Neurological Surgeons discloses the names of at least two men who would surely receive unanimous approval.



A Southern Story

There is much commotion at our house because the oldest of our three children is marrying a young resident in internal medicine in January.

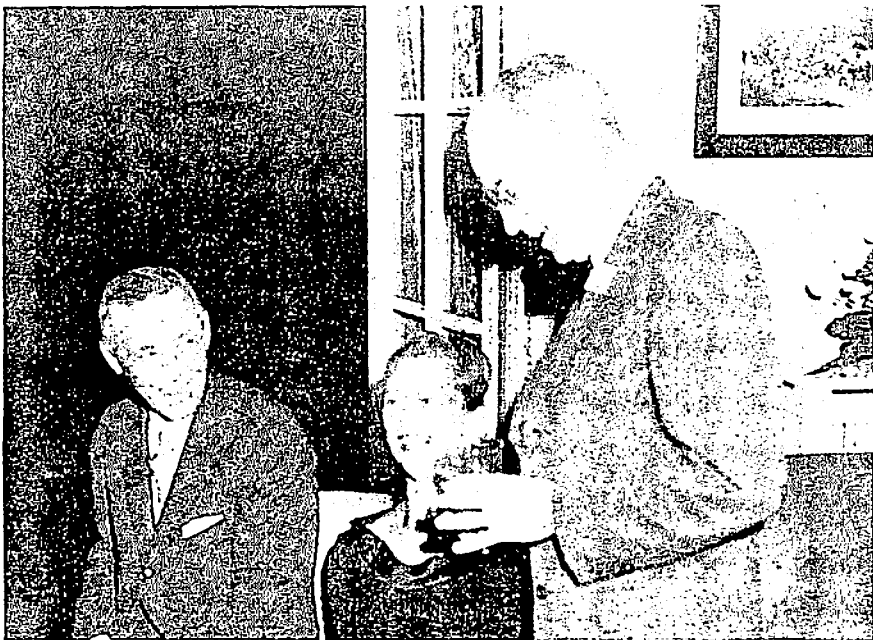
Alta and Rupe Raney have offered to loan us their elegant apartment in Los Angeles for the duration of the Cushing meeting in New Orleans. This is a warning to them to leave the key with the caretaker. On the other hand, Dr. Raeburn Llewellyn has agreed to be

the general chairman and I may stay here if he does not give me too many assignments.

The delightful Arkansas duck hunt given every year by Francis Murphy and Doctor Semmes was a great success, even though there were several non-neurosurgical ringers present. The airline strike kept many from distant parts of the country at home, except Jim White.

COMMENT:

Dean and the other Founding Members must have been quite pleased with the Academy as they saw it 20 years later at the Toronto Meeting. Dean's bearded visage and acceptance of the presents to the founders was most enjoyable. His suggestion about the addition of a few more Honorary Members to the Academy is well taken. I think the wheels should be started toward its accomplishment. When our children start marrying and we start talking about our grandchildren, we know we are getting old and that we are no longer that young bunch that met in New Orleans in 1939.



Reflections

"Letting your wife know who is boss from the start is very thoughtful, it saves her the trouble of telling you."

"It was a truly human tombstone which bore the inscription: 'I expected this, but not just yet'."

* * *

DONALD D. MATSON - December 15, 1958

I want to take this opportunity to thank all who helped make the scientific program at the Toronto meeting such a success. I am sorry everyone's contribution could not be included. There were enough papers for another whole day. The papers from the Toronto group were most appreciated and certainly set a high standard for the rest of us. I consider it an unusual privilege to have been able to attend the Saturday morning dedication of the new neurosurgical unit. Doctor McKenzie's praise at the banquet of Harry's organizing ability seems to me to have been a gross understatement!

Since the Toronto meeting I have had the pleasure of visiting two Academy members on their home grounds, Lyle French and Eben Alexander, and we have had a brief visit from Frank Nulsen at ours. As a consequence, I have seen and heard about all sorts of clinical, teaching, and organizational ideas I am anxious to try out.

My first experience with the Boards has confirmed my previous feeling that we should probably accept fewer men for neurosurgical training and put more effort into the training of each. The tremendous spread of general information, as well as in neurosurgical experience and knowledge among the men coming up for examination was most striking. Our own plan in the future is to have only two career men in neurosurgery on the clinical service at any one time. Each will have three years continuously, being junior resident for 18 months and then senior resident for 18 months. The fourth year will then be arranged according to the individual interests and requirements of the man in question, either in our own laboratories or ancillary services, or in another training center.

On July 1st, John Shillito, who had most of his training in Boston, with a final and polishing-up year in Memphis under Francis Murphy's direction, joined our group permanently. Although I don't seem to be working any less intensively, it certainly is a lot more pleasant, and we hope to be able to cover our many activities at the Medical School, Children's, Peter Bent Brigham, and elsewhere more effectively.

The aneurysm enthusiasts may be interested in hearing of a 42-year-old woman we had sent in from another hospital last month after her second subarachnoid hemorrhage. A right arteriogram which accompanied her showed a right middle cerebral aneurysm well out in the Sylvian fissure. It also suggested another aneurysm of the anterior communicating artery. Our arteriograms of the other side confirmed this. At operation she turned out to have three separate aneurysms, one on the right middle cerebral and one at either end of the anterior communicating artery. Fortunately, all three had good necks which could be ligated with cotton ligatures at the same operative exposure. Her slight left hemiparesis has cleared and she is back at her housework. It was the middle cerebral lesion which had bled. We had the opportunity (?) last summer of examining at post-mortem a patient with five separate aneurysms! Our most recent aneurysm patient had two, one at the origin of each posterior communicating. We're beginning to get a little paranoid about the multiplicity of these lesions.

Dotty and I are already thinking about Pebble Beach. Let nothing interfere!

COMMENT:

Don proved most admirable as Toastmaster for the Toronto meeting. Indeed a difficult assignment.

We hope the Matsons will make it to Del Monte Lodge next year.

* * *

"All the things I really like to do are either immoral, illegal, or fattening."



The Toastmaster Speaks

WALLACE B. HAMBY - December 16, 1958

It was a thrilling experience to sit in on the dedication of the Toronto General Hospital's new Neurological-Neurosurgical Unit. Our past-president Botterell comported himself elegantly and modestly amidst a brilliant gathering; we were very proud of him. I am sure Doctor McKenzie and Harry planned and longed for this for many hope-deferred years, and their eventual success should be an incentive for all of us to take encouragement and push again at our old hopes. It was a very warming thing that Jess Herrmann's boys in Oklahoma did for him too, the news of his new position must have compensated somewhat for having to relinquish the presidency of the Academy! It was a splendid meeting.

Hellyn and I hurried back to Buffalo, got a change of laundry and took off for Mexico City. That is a delightful place to visit. We really should plan a meeting down there some year soon. The hotels are

good, the food excellent, and the people friendly and eager to visit. It is as foreign a place as can be found short of Europe, but still is easy to reach. I talked to the Neurosurgical Section of the National Surgical Assembly that meets every two years. Most of the members are Mexican; most of them speak English, but a few don't. With the help of one of our Mexican residents, I had my paper translated, practiced with a tape recorder and read the talk in Spanish, to the apparent pleasure of the members. I had a lot of fun at it. Not having had a real vacation for some time, we spent two weeks in the neighborhood, having a lot of fun. Several other meetings were going on simultaneously, and we saw Jim Poppen, Harold Voris, Bill Scoville, Jack French, and Webb Haymaker who also were visiting the city.

Arriving back in Buffalo a week before Thanksgiving, we found a thin layer of snow that has been growing rather steadily since. The thermometer has shot up to 22° today - so spring may come in any day now - by June anyway.

Dr. Jack Walton of Newcastle-upon-Tyne stopped in for a few hours last Sunday on his way to the AARNMD meeting. He told me that Mr. Wyllie McKissock recently celebrated operating upon his 1000th intracranial aneurysm! He is now planning to cooperate in a project in which they will work up each aneurysmal case as for surgery, then operate or not on the basis of a directive enclosed in an envelope, shuffled in a blind-choice lottery. They hope thus to get statistically valid figures on the significant results of surgical vs. non-surgical therapy. Only from such a busy service could come enough cases to make such a study; the possibility has apparently passed for American institutions, thanks to our wide diffusion of good neurosurgeons.

I hope your winter will be a happy and not too severe one. Hellyn joins me in wishing all of you a very Merry Xmas and happy New Year!

COMMENT:

Wally's comments second those of all of the

members who were fortunate to attend the Toronto meeting. I was fortunate in flying to Chicago with Bob Pudenz on the American Airlines. We were able to get caught up on things past and present. In Chicago we were joined by Ted Erickson for the flight on the Trans Canada Viscount. This is a nice plane. Bob, Ted, and I shot the breeze about the old days in Montreal. It was gratifying seeing Ted looking so well after his illness. On the way home your correspondent came back with Francis Murphy, Henry Schwartz, and Bill Meacham as far as Chicago.

All of us were happy to learn that Jess Herrmann had been appointed head of the department of neurosurgery at his school; honors richly deserved and responsibilities that always go along with the same.

To me Sir Geoffrey Jefferson's paper and comments represented a highlight of the affair. We were pleased to have this distinguished and charming Honorary Member with us at this meeting.

The meeting was highlighted further by the presence of Wilder Penfield who gave us such an excellent address at the meeting in Montreal ten years ago. It was at the Montreal meeting that Ed Morrissey brought his daughter, Cici, now Mrs. Merrick Browne. See the photograph on page 40 of Philip Morrissey's wedding with the rest of the family gathered in the family photograph.

* * *

"My golf is finally improving, today I hit a ball in one."

* * *

FRANCIS A. ECHLIN - December 17, 1958

Just a note to say how pleasant it was to see you all again. I think Harry Botterell and Bill Keith put on a magnificent show. The opening of the new neurosurgical wing, I am sure, made a deep impression on all of us. One felt that the University was solidly behind neurosurgery and that there was a continuity of purpose and a fine tradition.

I have nothing startling of a clinical nature to report. A few days ago I operated upon a lady with a large intracerebral hematoma who sustained a minor head injury while in the hospital. She was on anti-coagulants in the treatment of a coronary thrombosis. I wonder if this complication will appear more often with the prevalent use of heparin and dicumerol.

They are building a new \$12,000,000 wing at Lenox Hill Hospital without enlarging the bed capacity of the hospital. We shall have a new operating room floor and I am having an addition built onto my laboratory.

With all good wishes for 1959 to the members of the Academy from Letitia and me.

COMMENT:

We are happy to learn Frank is having an addition put onto his laboratory, and we are sure Frank will continue to make interesting scientific contributions of a neurosurgical character.

* * *



Frank is Listening Seriously



Letitia Admires a Bracelet

BENJAMIN B. WHITCOMB - December 27, 1958

I am much chagrined at my inauspicious guilt of sleeping through my paper on the final day of the Academy meetings in Toronto. Although I am sure the time was better spent in discussion, I want to apologize to Don Matson and his committee for leaving a ragged tail on such an excellent program.

Since the summary of our review of the Complications of Angiography at Hartford Hospital was not available for the printed program, several points might be interesting enough to print belatedly in The Neurosurgeon.

The brief statement made under the title in the printed program that our complications had come to an abrupt stop after the introduction of Hypaque is totally false. This was an off the cuff impression which we here all shared last spring and, as is usually the case, was a wild guess.

A previous review done by Dunsmore at Hartford Hospital in 1950 covered 147 angiograms with a 10% incidence of complication, including three deaths in which arteriography was felt to be contributory. Despite this, the frequency in use of arteriography has increased here.

Our present review covers 595 arteriograms in 375 patients. They were divided into 558 carotid studies and 37 vertebral studies. Complications were divided into major (death and permanent neurological residuals), and minor (transient insults). There was a total of 50 complications, overall incidence of 8.5% (12 major or 2%, and 38 minor or 6.5%). Incidence in carotid arteriography was 6.2% (major complications 1.6%). Incidence in vertebral studies was 30% (major complications 8%). Of the total major complications of 12, there were seven deaths and five permanent hemiplegias in which the arteriography was felt to play a part. The minor complications included hematomas of the neck, transient hemiparesis, allergic reaction, pneumothorax, confusion, dizziness, vomiting, paresthesias, etc. (See the table below.)

TOTAL COMPLICATIONS
(595 studies)

Major	12	2%
Minor	38	6.5%
Total	50	8.5%

<u>Carotid Arteriography</u> (558 studies)	<u>Incidence</u>
Major	1.6%
Minor	4.6%
Total	6.2%

<u>Vertebral Arteriography</u> (37 studies)	<u>Incidence</u>
Major	8%
Minor	22%
Total	30%

In analyzing the data, the etiological factors of these complications were not found in the technical

details but in the selection of patients, those showing evidence of impaired cerebral circulation exhibiting the greatest liability. Of the seven deaths, all had subarachnoid blood, four had associated intracerebral clot. In all cases there was altered consciousness and two were in extremis. In five cases major surgery intervened between the arteriography and death. There was vascular hypertension in three and increased cerebrospinal fluid pressure in six of the seven (in four cases this being over 400). Five were associated with carotid arteriography and two with vertebral. Two were done by open technique alone, three by percutaneous closed technique alone, and two of the fatalities had both open and closed. The medium used was Diodrast in four cases and Hypaque in three. Local anesthesia was used in three and general anesthesia in four. The amounts of contrast material injected varied widely, but as much as 90 cc. were used in two cases. In one instance, the ill-advised use of Aronad was felt to be major precipitating factor. In the five cases of permanent hemiplegia, all five had subarachnoid blood and two had altered states of consciousness. All showed vascular hypertension. Four out of five had increased cerebrospinal fluid pressure. Five followed carotid arteriography and one vertebral arteriography. All of these cases occurred in instances where Diodrast was used. They were equally divided between open and closed technique and in the anesthesia used.

It would seem that fortune must smile on those who do 600 arteriograms without even a hematoma in the neck, urticarial reaction, or transient hemiparesis. When some series varying from 275 to 2000 cases are reported without complication, and other series of similar size report incidences of complication varying from 18% to 25%, it seems to me discrepancies in technique may be more likely in the record room than in the operating room. Another thing to consider seriously is the selection of cases. For instance, in Sedgaimer's series in which he reported no complications in 273 angiograms, he states older patients were avoided; also those with suspected thromboses, recent bleeding, etc., cases who many of us would feel are most in need of the procedure. The minor complications are insignificant, but the major are catastrophic. We were somewhat

surprised at our figures but feel they are probably average for a neurosurgical clinic of similar size. We do not feel deterred by 1-1/2% to 2% incidence of major complications in arteriography. In fact, we may have to face even more complications as we attack more cases of carotid insufficiency. After all, we are reporting complications and not successes. In these desparate cases we must consider the calculated risk. Neurosurgeons may be occasionally criticized for subjecting moribund patients to arteriography, but the success consequent to the procedure is sufficiently frequent to justify taking the risk rather than denying the procedure to a given patient deteriorating with a surgical lesion.

COMMENT:

Ben is to be forgiven for his slumbering. The party the evening before was such a bang-up affair, it's small wonder anyone awakened the next morning without a couple of alarm clocks screeching out for long periods of time.

Ben's comments about the complications of arteriography are most interesting and will probably be provocative of additional comments by others in later issues.

* * *

"In Hollywood one can get along quite well by knowing two words of English - swell and lousy."

"The American people are carrying a tax burden which could eventually socialize the United States. Our tax take is already greater than that of the admitted national socialist countries, whether on this or the other side of the Iron Curtain. The effects may not yet be fully evident to the superficial eye but the erosion of the incentive, ingenuity, and integrity that result will be as deadly as the hidden cancer is to life. It can in time change the basic character of this nation."

- General Douglas MacArthur



The Morrisseys

It is difficult to believe that time has flown so rapidly and that another issue of "The Neurosurgeon" will soon be going to press.

I am sure that all of us are still recalling with great pleasure the profitable and enjoyable session that we had in Toronto. The Academy was indeed honored to be a participant in the dedication and ceremonies of the new neurosurgical wing of the Toronto General Hospital, the neat blending of contributions from the membership and guests, including those from across the Atlantic, was the result of obvious labor on the part of our program committee working hand in hand with our hosts. Those of us who stayed for the hockey game on Saturday night had an enjoyable introduction to, or renewal of acquaintance with a game which is peculiarly Canadian.

I am sure that our historian will have many lines in the archives describing this memorable occasion, including, I suppose, a comment that one of the membership, at least, got caught up in his sleep.



A Good Story



A Good Joke

According to the information I have been able to obtain, the word "Toronto" meant "Place of Meeting". I believe that it must have meant "Place of Happy Meeting".

The plans for the 1959 meeting are already beginning to take some form. Ed Morrissey has been appointed as chairman of the Arrangements Committee, and Kate Morrissey as President of the Women's Auxiliary. Conversations have already been held with the hotel on some of the details, adding to the previous ones worked out by old friends of the management there, Hunter Shelden and Rupert Raney. A brochure will be sent out to the membership soon from the Del Monte Lodge. We, on the coast, are hoping that the weather next October will be as pleasant as it was this past one.

It is not too early to think of scientific papers for the meeting. Jack French is the chairman of the Program Committee, and I am sure all will appreciate the necessity of the committee having a goodly number of papers available in order to formulate a well rounded scientific session.

The Membership Advisory Committee also must receive the consideration of the entire membership if it is to function at the best level in providing for the future of our organization.

I should not close without putting in a plug for the Academy Award papers. The announcement has already been sent out by Bob McLaurin. Tom Ballantine will be the chairman of this committee and Henry Heyl and Bob Pudenz will serve on it. All of the members who have with them men who are not yet eligible to take their Boards, have been requested to bring to the attention of their colleagues and associates who are in this group, the existence of the award, and it would help if they would encourage the submission of papers. The experience of the committee in the past has been that now is the time to line these up, aiming at the target date in the early summer.

With my best regards to all.

COMMENT:

The Academy Award Papers are becoming more important each year and more manuscripts are being submitted.

We hope the Membership Advisory Committee will come up with some good candidates for the Del Monte meeting, and your editor hopes we will manage to get a couple of them past the barriers.

* * *

"I call my boy friend diploma because I have to go to college four years to get him."

"Maybe it is a good thing men don't understand women - women understand women and don't like them."

"When a Texas school class was told that the next day they would draw, eighteen youngsters showed up with pistols."

Harry and Margaret Botterell certainly put on the finest meeting that I can remember since being a member of the Academy. I am sure that I only echo the sentiments of all who enjoyed the opportunity of being present. The dedication ceremony of the new Neuro-Surgical Unit was extremely well done. This was the first meeting that I have attended without Georgia and must admit that rooming with Frank Mayfield was most pleasant but quite limited. I wonder if he ever received all the things he left in the room, such as the caricature done of him at the Hunt Club, his shorts, etc.



John's Roommate

We seem to be quite busy here. It is very nice to have Harry Steelman back after his three months in Europe. He spent most of his time as a voluntary assistant to Wylie McKissock in London. Ted Rasmussen, Ted Erickson and I completed the application for membership in the Academy for Harry two years ago, but decided to hold it up at the Toronto meeting because of Harry's sojourn in Europe at that time. I hope it will be possible to get favorable action at the Del Monte Meet-

ing in 1959 when he and Laureen will be our guests and he will submit a paper for the program.

Our hypothermia team is working out well. We are using Fluothane and oxygen, rapid cooling to 93 degrees F. in a tub in about 40 minutes and then a specially constructed Autotherm (AiResearch) which utilizes two Thermorite blankets to 89° in another 30 minutes. The drift has been less than one degree in the last six patients. Our engineers constructed this unit for \$3,000. At the moment we are most pleased about our last patient who was admitted one week ago after his third subarachnoid hemorrhage, semi-stuporous and aphasic, with evidence of a large left temporal lobe hematoma and a large arteriovenous aneurysm from temporal branches of the left middle cerebral artery. The clot had dissected out the malformation, and the latter could be excised after multiple clipping. The patient is now ambulant, lucid, but has slight motor aphasia, although he says short sentences well.

Our medical neurologist, Dr. Betty Clements is saving us many headaches literally and has now taken over the management of the four EEG laboratories that Harry and I have been supervising. Our other partner, Dr. Hal Pittman, is busily engaged in flying here and there over the state, and working out his pet project on Parkinsonian surgery. He has interesting stereotaxic aspirations that we are encouraging him on.

This is the semester for me to bone up for my annual course on the Outlines of the History of Medicine at Arizona State University. This is really very interesting and is a welcome change of pace.

By the way, Mr. Charles A. Barrow and the Board of Trustees of St. Joseph's Hospital have decided that Neurology and Neurosurgery are here to stay. Plans are on the boards for a new four story wing for us - 50 beds, two surgeries with adjacent x-ray department, clinical laboratories, and research laboratories. Mr. Barrow has helped us considerably with instrumentation, laboratories, and special equipment at St. Joseph's Hospital during the past six years (his wife is still doing well after two sessions with a right

frontal oligodendroglioma - 12 years). We've been developing a Neurologic Research Fund for some time and hope to parlay it up to worthwhile proportions to subsidize our full-time team of investigators. The hospital will announce this development on January 25, 1959.

Georgia joins me in best regards to all.

COMMENT:

John has without doubt developed a very active neurologic and neurosurgical service in his community that is flowering now into full bloom. This must indeed have taken a great deal of time, energy, and administrative ability. Your editor will be interested in the opinion generally concerning hypothermia five years from now.

* * *

"I am not young enough to know everything."

* * *



The Huddle



Music at the Hunt Club

S. R. SNODGRASS - January 16, 1959

As usual I have been somewhat later than I had planned with my communication for the issue of "The Neurosurgeon". I hope that this reaches you sufficiently early to enable you to transmit an invitation from Margaret and me to any of the Academy members to stop off and visit us here in Galveston in connection with the trip which many of them will be making to New Orleans in April to attend the meeting of The Harvey Cushing Society. This could best be arranged if travelling by air with a stop-off at Houston with which, of course, connections to New Orleans are quite satisfactory. I would be happy to meet anyone at the Houston airport, and it is also possible to come to Galveston by airline limousine at a reasonable fare and there are 10 round-trips daily between Galveston and the Houston airport. Unless the Spring proves to be a late one, Galveston is about at its best at the time of the Cushing Society meeting, and I hope that some will be interested in coming by to see the town and the medical school, and perhaps evaluate Galveston as a possible place to have a meeting of the Academy at some time.

1958 was a very satisfactory year for the Snodgrasses in most every respect. I had made a resolution that I would not be away in 1959 as much as in 1958, but it appears that this resolution is going to be a difficult one to keep. I have already spent a week in Indiana trudging through the snow, and there are several other trips to look forward to including one to Robert's graduation in June, and especially the Academy meeting.

COMMENT:

Sam's invitation for a visit to Galveston in connection with the Harvey Cushing meeting in New Orleans is a most generous one, and this would enable many of the Academy members to see how things roll neurosurgically and otherwise in that part of the world.

From what your reporter reads in the present day papers, it would appear that climatic conditions in Indiana and other places in the midwest are tragically serious.

Sam's letter brings to mind the program for the Seventh Annual Scientific Meeting of the Houston Neurological Society, March 12, 13, and 14, 1959 to be given at the Texas Medical Center. It, as all of you know, represents a symposium on "Pathogenesis and Treatment of Cerebrovascular Diseases" and should be a most important meeting. Would that we had time to attend all of these meetings and at the same time practice neurological surgery and keep a payroll. A number of our Academy is holding forth at that time, including Robbie Robertson as one of the moderators, Wally Hamby, Sam Snodgrass, Bill Sweet, Larry Pool, and Francis Murphey.

* * *

"The awkward age for girls occurs when they are too old to count on their fingers and too young to count on their legs."

"The average person is the one who thinks someone else in the average person."



Jean, Alex, and Betsy Alexander

ROBERT L. McLAURIN - January 29, 1959

My apologies are again offered for being so late in sending a note to THE NEUROSURGEON. Perhaps I have missed the current issue which you are preparing. As an excuse, I can plead, without any justification whatsoever, that I have been trying for two months to get the minutes of the Toronto meeting prepared. Enclosed are several photos taken by Dr. Richard DeSaussure, who was the guest of Francis Murphey at that meeting. If you have any use for them, I am sure Dick would not mind.



Greetings



Happy Days

I want to take this opportunity to call attention to the members that the Round Robin Committee has no official recognition in the Academy constitution or by-laws. It seems to me that this publication is one of the most important functions of the Academy and is certainly the one we enjoy most consistently during the year between meetings. Obviously, everyone is so completely satisfied with the present running of the journal that any move which might let you "out from under" is avoided. Anyway, while I don't believe the problem is a real vital one, I am personally in favor of giving your committee an official status. Maybe this is a good place to mention it for discussion at a future meeting.

The most intriguing case we have encountered in the past few months was an eight year old girl who was admitted with a four month history of headache, vomiting, and behavior disturbance. We were not able to demonstrate any definite evidence of an expanding lesion by angiography or ventriculography. During the next two weeks, she first improved and later deteriorated. Finally, on the basis of a repeat air study, a shaggy mass was removed from the wall of the left lateral ventricle. Shortly afterward she died and was found to have multiple granulomatous lesions in the cerebrum, cerebellum, and basal cisterns. The organism was finally identified as *Geotrichum Candidum*, a saprophytic fungus which has heretofore not been reported in the brain. It is apparently not too uncommon as a cause of "thrush" or external otitis. I mention the case only because it represents another example of a fatal invasion of the central nervous system by an organism which is not normally a pathogen.

COMMENT:

No doubt the Round Robin Committee will be given some official recognition in the constitution and by-laws. I believe it is merely a matter of what would be the appropriate arrangement. With all of the talent in the Academy it is merely a matter of time for this to be taken over and continued by the younger members of our organization.

Bob's case which he has reported seems most unusual and should by all means be reported.

Your editor wishes to thank Bob for a complete address list. It was believed wise to include this with each number of *The Neurosurgeon*, as in this way corrections of addresses can be kept up to date for the programs; and also, a list with each number will make it easier for the members to have it readily available.

The Editorial Advisory Committee wishes to thank the various members who have sent in the excellent photographs which we all enjoy having for our records. Rupert Raney should get a special citation for the continued good work he has done in this respect over a period of time. We are looking forward to his collection of movies of the members during the past years which we understand he will show at Del Monte this fall.



Cocktails at The Botterells

We would like to take this belated opportunity to welcome our two new members and their wives into the Academy, Ruth and Charles Drake, and Molly and Robert King. We hope they will join with the rest of the

members in their contributions to the Academy and to The Neurosurgeon. Certainly at this time, election to the Academy is recognized in the neurosurgical world as an honor of no little distinction.

If one looks over the recently published volume, Surgery in World War II, Neurosurgery, Volume I, from the Office of The Surgeon General, he will be impressed by the fact that it is very nearly a publication by members of the Academy.

* * *

"There are two kinds of finishes to put on an automobile - lacquer and liquor."

"Progress involves risk. You can't steal second and keep your feet on first."

"A psychiatrist is a man who doesn't have to worry, so long as others do."

* * *



The Pools



Harmony at The Hunt Club

EDWIN B. BOLDREY - February 3, 1959

I have just returned from a trip to Phoenix where some developments which might be of interest to "The Neurosurgeon" occurred. I hope this is not too late for the current issue.

While there at another meeting, I attended a luncheon for the staff at St. Joseph's Hospital where John Green does most of his work. At the luncheon there was announced a gift of some magnitude setting up the Barrow Neurological Institute in conjunction with this hospital and Arizona State University. John Green is the director of this newly established institute which will have fifty-five beds and facilities for research, particularly in neurophysiology. The clinical staff of the institute will include the others now practicing neurosurgery and neurology in Phoenix.

This is a well deserved opportunity which comes to Phoenix, and is particularly a compliment to John who can take the entire credit for attracting the funds establishing this new organization. I am sure

BALANCE SHEET (Certified)

United States population, Dec. 31, 1948	135,000,000
People 65 years or older.....	<u>37,000,000</u>
Balance left to do the work.....	98,000,000
People 21 years or younger.....	<u>54,000,000</u>
Balance left to do the work.....	44,000,000
People working for the government....	<u>21,000,000</u>
Balance left to do the work.....	23,000,000
People in the Armed Services.....	<u>10,000,000</u>
Balance left to do the work.....	13,000,000
People in City and State offices.....	<u>12,800,000</u>
Balance left to do the work.....	200,000
People in Hospitals & Insane Asylums	<u>126,000</u>
Balance left to do the work.....	74,000
Bums and others who don't work.....	<u>62,000</u>
Balance left to do the work.....	12,000
Persons in jail.....	<u>11,998</u>
Balance left to do the work.....	2
Two — You and I.	

And you'd better get a wiggle on — I'm getting darn tired of running this country alone.

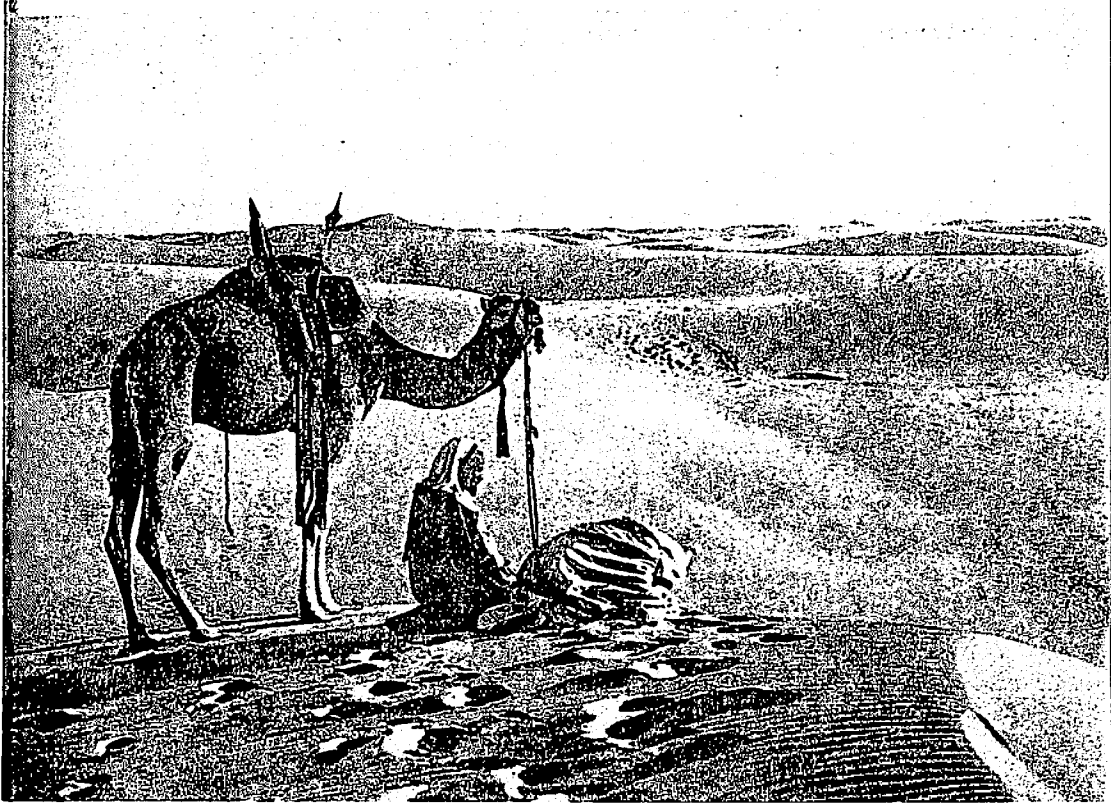
that everyone in the Academy will be delighted to have this good news, and of course we all wish him well.

COMMENT:

Ed has apparently attended the opening or the announcement of the Barrow Neurological Institute mentioned by John in his last letter. Congratulations again to John who has carved out a real center in that beautiful Arizona country. When can we go back to Camelback Inn and join a rededication?

Your correspondent ran across this "Balance Sheet" which he thought sufficiently amusing to include for the members to peruse. (See page 62.)

Your reporter received the following postal card from Wink Craig. He wrote: "Over here with the U. S. Navy on a teaching and inspection trip. Stopped off at Naples on the way over. Will stop in Paris and Barcelona on the way back. Returned in December from a trip around the world with the International College of Surgeons. Retired life is full of opportunities for teaching and travelling." Those of us who soon will be reaching that age when we can put down the scalpel can



anticipate a lot of pleasures we have not had too much of before. Wink has been leading a most interesting and colorful life, and has been one of the great ambassadors of good will and influence for neurological surgery in our Country.

* * *

How It Started

Some additional items from our collection of words and their origins: TOAST. - How did the word "toast" get into the expression "drink to a toast?" The toast was actually once in the glass. It was the custom to place a small piece of toast in the bottom of the glass as a delicacy. Since in drinking to a person you drained your glass, you "drank" this "toast."

* * *

"He's not exactly polished, but he's awfully slippery."

"Conceit is a queer disease. It makes everyone sick but the one who has it."

"Experience is the one perpetual best seller. Everyone is constantly buying it."

* * *

THE ACADEMY AWARD WINNERS

- Paul M. Lin 1955
- Hubert L. Rosomoff 1956
- Byron C. Pevehouse 1957
- Norman Hill 1958

* * *

"If you can't see why a girl wears a strapless gown, she shouldn't."

HERE and THERE

The reprint which all of us were fortunate enough to receive from The Canadian Medical Association Journal (79, 1021-1023, Dec. 15, 1958) entitled "American Academy of Neurological Surgery" will serve as one of the best descriptions of our meeting in Toronto one could obtain. It is also a fitting tribute to the organization and its twentieth year.

My agents tell me that if any of you want to obtain a record of that incomparable "The Exanguinating Blues", played for us at the Camelback Inn, the same can be purchased from the Colonial Record Shop, Chapel Hill, North Carolina.

The volumes on Clinical Neurosurgery published by the Congress of Neurological Surgeons represents a great deal of work, and it, too, is a contribution of considerable value.

Our reporters have informed us that Jack French has been elected a member of the Pacific Coast Surgical Association, which is one of the very fine societies out in this part of the United States.

Word has also reached us that Ernie Mack is president of the Nevada Medical Association, and this means responsibility and problems.

* * *

THE NEUROSURGEON AWARD WINNERS

Edwin B. Boldrey	1955
Georgia and John Green	1956
Dean Echols	1957

* * *

"The best thing you can do for spring fever is absolutely nothing."



Three Founding Members



MEMBERSHIP ROSTER

1958-1959

"PAST PRESIDENTS CLUB"

1938	Dean Echols	1949	John Raaf
1939	Dean Echols	1950	E. H. Botterell
1940	Spencer Braden	1951	Wallace B. Hamby
1941	Joseph P. Evans	1952	Henry G. Schwartz
1942	Francis Murphey	1953	J. Lawrence Pool
1943	Frank H. Mayfield	1954	Rupert B. Raney
1944	A. Earl Walker	1955	David L. Reeves
1946	Barnes Woodhall	1956	Stuart N. Rowe
1947	William S. Keith	1957	Arthur R. Elvidge
1948	Howard Brown	1958	Jess D. Herrmann

PAST VICE-PRESIDENTS

1941	Francis Murphey	1951	Henry G. Schwartz
1942	William S. Keith	1952	J. Lawrence Pool
1943	John Raaf	1953	Rupert B. Raney
1944	Rupert B. Raney	1954	David L. Reeves
1946	Arthur R. Elvidge	1955	Stuart N. Rowe
1947	John Raaf	1956	Jess D. Herrmann
1948	Arthur R. Elvidge	1957	George S. Baker
1949	F. Keith Bradford	1958	Samuel R. Snodgrass
1950	David L. Reeves		

PAST SECRETARY-TREASURERS

Francis Murphey	1938-39-40
A. Earl Walker	1941-42-43
Theodore C. Erickson	1944-46-47
Wallace B. Hamby	1948-49-50
Theodore Rasmussen	1951-52-53
Eben Alexander, Jr. . . .	1954-55-56-57-58

The American Academy of Neurological Surgery

FOUNDED OCTOBER 28, 1938

HONORARY MEMBERS — 4	ELECTED
Dr. Winchell McK. Craig 901 Seventeenth Ave., S.E. Rochester, Minnesota	1942
Sir Geoffrey Jefferson Department of Neurosurgery The Royal Infirmary Manchester 13, England	1951
Dr. R. Eustace Semmes 899 Madison Ave. Memphis 3, Tennessee	1955
Dr. R. Glen Spurling 405 Heyburn Bldg. Louisville 2, Kentucky	1942

DECEASED MEMBERS — 2	
Dr. O. William Stewart (Corresponding) Montreal, Quebec	1948
Dr. W. Jason Mixter (Honorary) Nobska West Woods Hole, Massachusetts	1951

SENIOR MEMBERS — 1	
Dr. Olan R. Hyndman Veterans Administration Hospital Iowa City, Iowa	1941

ACTIVE MEMBERS — 68	
Dr. Eben Alexander, Jr. Bowman Gray Sch. of Medicine Winston-Salem 7, No. Carolina	Betty 521 Westover Ave. Winston-Salem, No. Carolina 1950
Dr. George S. Baker 200 First Street, S.W. Rochester, Minnesota	Enid Salem Road, Route 1 Rochester, Minn. 1940
Dr. H. Thomas Ballantine, Jr. Massachusetts General Hospital Boston 14, Massachusetts	Elizabeth 15 Common Street Dedham, Massachusetts 1951

	ELECTED
Dr. William F. Beswick 685 Delaware Avenue Buffalo 9, New York	Phyllis 59 Ashland Avenue Buffalo, New York 1949
Dr. Edwin B. Boldrey Univ. of Calif. Medical School San Francisco 22, California	Helen 924 Hayne Road Hillsborough, California 1941
Dr. E. Harry Botterell Medical Arts Building 280 Bloor Street, West Toronto 5, Ontario	Margaret Apt. 601, 150 Balmoral Avenue Toronto, Ontario, Canada 1938
Dr. Spencer Braden 1130 Hanna Building 14th & Euclid Avenues Cleveland 15, Ohio	Mary 2532 Arlington Road Cleveland Heights, Ohio Founder
Dr. F. Keith Bradford 435 Hermann Profesional Bldg. 6410 Fannin Street Houston 25, Texas	Byra 3826 Linklea Drive Houston 25, Texas 1938
Dr. Howard A. Brown 384 Post Street San Francisco 8, California	Dorothy 127 San Pablo Avenue San Francisco, California 1939
Dr. Harvey Chenault 177 North Upper Street Lexington 6, Kentucky	Margaret 2105 Nicholasville Road Lexington, Kentucky 1949
Dr. Donald F. Coburn 411 Nichols Road Kansas City 12, Missouri	Max 5255 Ward Parkway Kansas City 12, Missouri 1938
Dr. Edward W. Davis 806 S. W. Broadway Portland 5, Oregon	Barbara 1714 N.W. 32nd Avenue Portland 10, Oregon 1949
Dr. Charles G. Drake 450 Central Avenue, Suite 301 London, Ontario, Canada	Ruth R.R. 3, Medway Heights London, Ontario, Canada 1958
Dr. Francis A. Echlin 164 East 74th St. New York 21, New York	Letitia 164 East 74th Street New York 21, New York 1944
Dr. Dean H. Echols Ochsner Clinic 3503 Prytania Street New Orleans, Louisiana	Fran 1428 First Street New Orleans 13, Louisiana Founder
Dr. Arthur R. Elvidge Montreal Neurological Institute 3801 University Street Montreal 2, Quebec	1465 Bernard Avenue, West Outremont, Quebec, Canada 1939

		ELECTED
Dr. Theodore C. Erickson University Hospitals 1300 University Avenue Madison 6, Wisconsin	Emily 531 N. Pinckney St. Madison 3, Wisconsin	1940
Dr. Joseph P. Evans 950 East 59th Street University of Chicago Clinics Chicago 37, Illinois	Hermene 1234 East 56th Street Chicago 37, Illinois	Founder
Dr. Robert G. Fisher Hitchcock Clinic Hanover, N. H.	Constance 11 Ledyard Lane Hanover, New Hampshire	1957
Dr. John D. French The Medical Center University of California Los Angeles 24, California	Dorothy 1809 Via Visalia Palos Verdes Estates, California	1951
Dr. Lyle A. French Univ. of Minnesota Hospitals Minneapolis 14, Minnesota	Gene 2868 West River Road Minneapolis 6, Minnesota	1954
Dr. James G. Galbraith 2020 15th Avenue South Birmingham 5, Alabama	Peggy 4227 Altamont Road Birmingham 13, Alabama	1947
Dr. Everett G. Grantham 405 Heyburn Building Louisville 2, Kentucky	Mary Carmel 410 Mockingbird Hill Road Louisville 7, Kentucky	1942
Dr. John R. Green 550 West Thomas Road Patio A, Suite 202 Phoenix, Arizona	Georgia 88 North Country Club Drive Phoenix, Arizona	1953
Dr. James Greenwood, Jr. 1117 Hermann Prof. Bldg. 6410 Fannin Street Houston 25, Texas	Mary 3394 Chevy Chase Blvd. Houston 19, Texas	1952
Dr. Wesley A. Gustafson 700 North Michigan Avenue Chicago 11, Illinois	Jennie 2129 Central Park Evanston, Illinois	1942
Dr. Wallace B. Hamby 140 Linwood Avenue Buffalo 9, New York	Hellyn 70 Windsor Avenue Buffalo 9, New York	1941
Dr. Hannibal Hamlin 270 Benefit Street Providence 3, Rhode Island	Margaret 270 Benefit Street Providence, Rhode Island	1948
Dr. Jess D. Herrmann 525 Northwest Eleventh Street Oklahoma City 3, Oklahoma	Mary Jo 1604 Glenbrook Terrace Oklahoma City 14, Oklahoma	1938

	ELECTED
Dr. Henry L. Heyl Hitchcock Foundation Hanover, New Hampshire	Katharine Norwich, Vermont 1951
Dr. William S. Keith Toronto Western Hospital 399 Bathurst Street Toronto 2B, Ontario	Eleanor 55 St. Leonardi Crescent Toronto 12, Ontario, Canada Founder
Dr. Robert B. King 130 Marshall Street Syracuse 10, New York	Molly 2 Clara Road Fayetteville, New York 1958
Dr. Ernest W. Mack 505 Arlington Ave., Suite 212 Reno, Nevada	Roberta 235 Juniper Hill Road Reno, Nevada 1956
Dr. George L. Maltby 31 Bramhall Street Portland 3, Maine	Isabella (Sim) Bramhall Field Falmouth Foreside, Portland, Maine 1942
Dr. Donald D. Matson 300 Longwood Avenue Boston 15, Massachusetts	Dorothy 44 Circuit Road Chestnut Hill 67, Massachusetts 1950
Dr. Frank H. Mayfield 506 Oak Street Cincinnati 19, Ohio	Queenec 3519 Principio Ave. Cincinnati 26, Ohio Founder
Dr. Augustus McCravey 102 Interstate Bldg. 540 McCallie Avenue Chattanooga 3, Tennessee	Helen 130 North Crest Road Chattanooga, Tennessee 1944
Dr. Robert L. McLaurin Division of Neurosurgery Cincinnati General Hospital Cincinnati 29, Ohio	Kathleen 2461 Grandin Road Cincinnati 8, Ohio 1955
Dr. William F. Meacham Vanderbilt Hospital Nashville 5, Tennessee	Alice 3513 Woodmont Blvd. Nashville 12, Tennessee 1952
Dr. John M. Meredith 1200 East Broad Street Richmond 19, Virginia	Etta 3 Greenway Lane Richmond, Virginia 1946
Dr. Edmund J. Morrissey 450 Sutter Street, Suite 520 San Francisco 8, California	Kate 2700 Vallejo Street San Francisco 23, California 1941
Dr. Francis Murphey Suite 101-B, Baptist Medical Bldg. 20 South Dudley Memphis 3, Tennessee	Roder 1856 Autumn Avenue Memphis, Tennessee Founder

		ELECTED
Dr. Frank E. Nulsen Division of Neurosurgery University Hospitals 2065 Adelbert Road Cleveland 6, Ohio	Ginny 2691 Landon Shaker Heights 22, Ohio	1956
Dr. Guy L. Odom Duke Univ. School of Medicine Durham, North Carolina	Suzanne 2812 Chelsea Circle Durham, North Carolina	1946
Dr. J. Lawrence Pool 710 West 168th Street New York 32, New York	Angeline Closter Dock Road Alpine, New Jersey	1940
Dr. Robert Pudenz 744 Fairmount Ave. Pasadena 1, California	Mary Ruth 3110 San Pasqual Pasadena 10, California	
Dr. John Raaf 1010 Medical Dental Building Portland 5, Oregon	Lorene 390 S.W. Edgecliff Road Portland 1, Oregon	Founder
Dr. Aidan A. Rancey 2010 Wilshire Blvd. Los Angeles 57, California	Mary 125 N. Las Palmas Los Angeles 5, California	1946
Dr. Rupert B. Rancey 2010 Wilshire Blvd. Los Angeles 57, California	Alta 435 S. Curson Ave. Los Angeles 36, California	1939
Dr. Theodore B. Rasmussen Montreal Neurological Institute 3801 University Street Montreal 2, Quebec, Canada	Catherine 29 Surrey Drive Montreal 16, Quebec, Canada	1947
Dr. David L. Reeves 316 West Junipero Street Santa Barbara, California	Marjorie 595 Picacho Lane, Montecito Santa Barbara, California	1939
Dr. R. C. L. Robertson 437 Hermann Professional Bldg. 6410 Fannin Street Houston 25, Texas	Marjorie 5472 Lynbrook Drive Houston, Texas	1946
Dr. Stuart N. Rowe 302 Iroquois Building 3600 Forbes Street Pittsburgh 13, Pennsylvania	Elva 6847 Reynolds St. Pittsburgh 8, Pennsylvania	1938
Dr. Henry G. Schwartz 600 South Kingshighway St. Louis 10, Missouri	Reedie 2 Briar Oak, Ladue St. Louis 24, Missouri	1942
Dr. William B. Scoville 85 Jefferson Street Hartford 14, Connecticut	Emily 334 No. Steele Road West Hartford, Connecticut	1944

Dr. C. Hunter Shelden 744 Fairmount Ave. Pasadena 1, California	Elizabeth 1345 Bedford Road San Marino, California	
Dr. Samuel R. Snodgrass John Sealy Hospital Univ. of Texas Medical Branch Galveston, Texas	Margaret 1405 Harbor View Drive Galveston, Texas	1939
Dr. Hendrik J. Svien 200 First St. S.W. Rochester, Minnesota	Nancy 827 Eighth Street, S.W. Rochester, Minnesota	1957
Dr. Homer S. Swanson 384 Peachtree Street, N. E. Atlanta 3, Georgia	La Myra 1951 Mt. Paran Road, N.W. Atlanta, Georgia	1949
Dr. William H. Sweet Massachusetts General Hospital Boston 14, Massachusetts	Mary 35 Chestnut Place Brookline 46, Massachusetts	1950
Dr. Alfred Uihlein 200 First Street, S.W. Rochester, Minnesota	Ione 21 Skyline Drive Rochester, Minnesota	1950
Dr. A. Earl Walker Johns Hopkins Hospital Division of Neurological Surgery 601 N. Broadway Baltimore 5, Maryland	Terrye 6007 Lakehurst Drive Baltimore 10, Maryland	1938
Dr. Exum Walker 423 Baptist Professional Bldg. Atlanta 3, Georgia	Frances 1819 Greystone Road, N.W. Atlanta, Georgia	1938
Dr. Arthur A. Ward, Jr. Division of Neurosurgery University Hospital, Rm. BB-671 Seattle 5, Washington	Janet 3922 Belvoir Place Seattle, Washington	1953
Dr. Thomas A Weaver 146 Wyoming St. Dayton 9, Ohio	Mary 103 Beverly Place Dayton 19, Ohio	1943
Dr. W. Kasley Welch 4200 E. Ninth Ave. Denver 20, Colorado	Elizabeth 2432 So. Birch Street Denver, Colorado	1957
Dr. Benjamin B. Whitcomb 85 Jefferson Street Hartford 14, Connecticut	Margaret 38 High Farms Road West Hartford, Connecticut	1947
Dr. Barnes Woodhall Duke Hospital Durham, North Carolina	Frances 4006 Dover Road, Hope Valley Durham, North Carolina	1941

PAST MEETINGS OF THE ACADEMY

Hotel Peabody, Memphis, Tennessee	April 22, 1938
Roosevelt Hotel, New Orleans, Louisiana	October 27-29, 1939
Tudor Arms Hotel, Cleveland, Ohio	October 21-22, 1940
Ambassador Hotel, Los Angeles, California	November 11-15, 1941
The Palmer House, Chicago, Illinois	October 16-17, 1942
Hart Hotel, Battle Creek, Michigan	September 17-18, 1943
Ashford General Hospital, White Sulphur Springs, West Virginia	September 7-9, 1944
The Homestead, Hot Springs, Virginia	September 9-11, 1946
Broadmoor Hotel, Colorado Springs, Colorado	October 9-11, 1947
Windsor Hotel, Montreal, Canada	September 20-28, 1948
Benson Hotel, Portland, Oregon	October 25-27, 1949
Mayo Clinic, Rochester, Minnesota	September 28-30, 1950
Shamrock Hotel, Houston, Texas	October 4-6, 1951
Waldorf Astoria Hotel, New York City	September 29-October 1, 1952
Biltmore Hotel, Santa Barbara, California	October 12-14, 1953
Broadmoor Hotel, Colorado Springs, Colorado	October 21-23, 1954
The Homestead, Hot Springs, Virginia	October 27-29, 1955
Camelback Inn, Phoenix, Arizona	November 8-10, 1956
The Cloister, Sea Island, Georgia	November 11-13, 1957
The York, Toronto, Ontario, Canada	November 6-8, 1958