BRAINSCAN

NEWS & INFORMATION FOR PATIENTS AND FAMILIES LIVING WITH BRAIN TUMORS

VOLUME 4 · NUMBER 1 · WINTER 2002

THE GERRY & NANCY PENCER BRAIN TRUST

"Making a Difference in the Quality of Life of People Living with Brain Tumors"

Providing information about our progress at The Brain Trust and activities at The Gerry & Nancy Pencer Brain Tumor Centre, BrainScan *is a great resource for brain tumor patients and their families, donors, the medical community, like-organizations, and volunteers across Canada and the United States.*

A Message from the Director

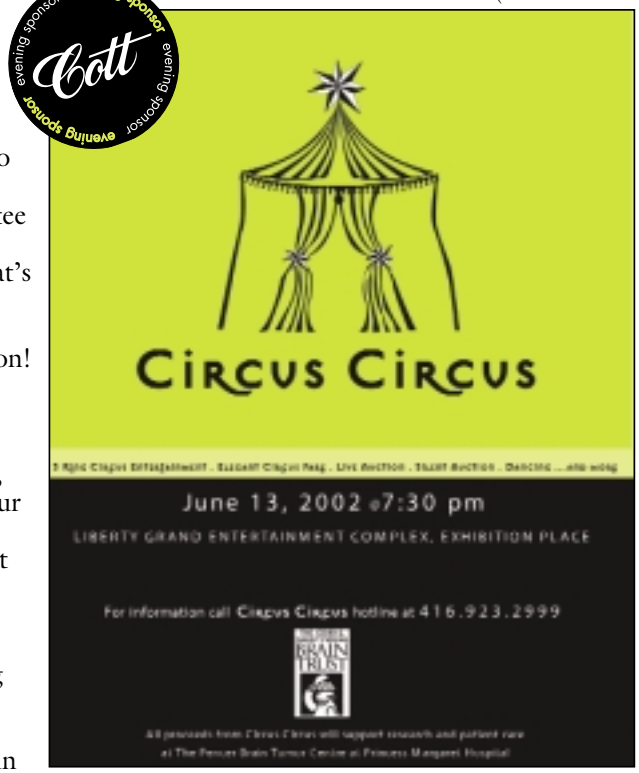
Holly Pencer Bellman

Happy New Year!! I hope that this issue finds you all enjoying the start of a brand new year. As for my New Year's resolution, I resolve to stop and smell the roses more often- live each day to the very fullest. I think this is great advice for us all. This issue, as usual, is filled to overflowing with the usual great tips and information for patients and families living with brain tumors. Reading through, you will also discover a new column that I hope you will be as excited about as I am. "A Guide to PFAC" (Patient and Family Advisory Committee) is a special space that will be dedicated to profiling our incredible committee members and reporting on "What's New" with PFAC. For more information, read on!

First off, I'd like to take this opportunity, at the start of a new year, to thank ALL of our donors- big and small- over the past year. Your support is our life line, enabling us to continue providing the programs and services that have made having a brain tumor just a little bit easier on patients and families. In order to continue on our path of providing excellence in care, we are always looking for your support. Please continue to offer your donations. No matter how big or small, your help is most appreciated. To make a donation to The Pencer Brain Tumor Centre at Princess Margaret Hospital (PMH), please call the PMH Foundation office at (416) 946-6560. If you would prefer to make a donation to The Pencer Brain Trust, please contact Linda Mckie at (416) 923-2999.

My first bit of news is that October has been officially declared as "Brain Tumor Awareness Month" by The Ontario Provincial Parliament. This is a big step forward for brain tumor patients and families everywhere. Initiated by The Brain Tumor Foundation of Canada, this proclamation means that the Ontario Government has recognized the serious impact of brain tumors on the lives of patients and families, and the need to raise awareness about this disease. The driving force behind the official declaration of October as Brain Tumor Awareness Month is Bob Wood (PC London West). We are told that Mr. Wood received indications of encouragement and gratitude from brain tumor survivors in many communities across Canada, not just Ontario. Mr. Wood says, This bill "is a real step forward for the health of all Canadians, and I hope other provinces and the Federal Government will copy it." Eventually the hope is that Brain Tumor Awareness Month will be proclaimed across Canada.

In other news, our comedy event, "For Those About to Laugh", held in October was a smash hit! As promised, the three performances were hilarious and almost $10,000 was raised for The Pencer Brain Tumor Centre at Princess Margaret Hospital. Special thanks to



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THE GERRY & NANCY PENCER BRAIN TUMOR CENTRE

State-Of-The-Art Care

Physical Rehabilitation Consultation

Participation in Clinical Trials

Social Worker and Psychiatrist

Resource Library

Live and Learn Program

Patient and Family Advisory Committee

Complementary Therapies

Links to Hospital and Community Support Services

Patient Information Binder

Art Therapy

Support Group Meetings

Internet Access

Translational Research

A Calm and Positive Environment for Patients and Families

OUR MISSION:

To be a "Centre of Excellence" which provides multidisciplinary care, treatment, and support for brain tumor patients and their families.

To promote clinical and translational brain tumor research.

A GUIDE TO PFAC

Patient and Family Advisory Committee

What would we do without our Patient and Family Advisory Committee (PFAC)? Comprised of patients, family members, and staff, PFAC has a hand in designing the programs and services that you have come to expect and appreciate at The Pencer Brain Tumor Centre. "A Guide to PFAC" is a space designed to profile our valuable committee members and report on progress within the committee. We hope you enjoy reading it and that some of you even get inspired to join us in our efforts.

Margaret Mead once wrote, "Never doubt that a small group of thoughtful, committed people can change the world; indeed, it is the only thing that ever has."

This could certainly be the credo of PFAC or The Patient & Family Advisory Committee of the Gerry & Nancy Pencer Brain Tumor Centre. This small committed group of volunteers meets once a month to provide advice and feedback to the staff of the Pencer Centre. They tell us what we are doing right, what we can do better and what we should think about adding to our list of programs.

Formed in the spring of 1998, months before the Gerry & Nancy Pencer Brain Tumor Centre even opened its doors, the Patient & Family Advisory Committee has had input into every aspect of the Centre. Our patients and caregivers can bring expertise to the table that can't be matched by any other member of the Pencer Centre Team. In the early days of planning the Centre, PFAC helped to evaluate complementary therapy programs, was instrumental in the development of our Patient Information Binder and suggested useful material for our Resource Centre.

Now that the Centre is up and running, no new program gets introduced into the Pencer Centre without getting the PFAC "Seal of Approval." In addition, this valuable committee is active in fundraising for the Centre (do you have a Pencer Centre hat yet?). Many of those who have visited us during our annual Open House can also attest to the fact that each year PFAC produces a wonderfully moving display, which focuses on the experience of being a patient living with a brain tumor.

Jan Crichton has been a dynamic member of PFAC since the very first meeting. Jan's husband David, like Gerry Pencer, was diagnosed with a Glioblastoma Multiforme in September 1995. Sadly, David lost his battle in September 1999, but throughout his illness, Jan was his staunchest advocate and most devoted caregiver. Jan knows what it's like to live with this disease. Quite simply she says, "Our lives were turned upside down. When we were approached about being a member of this committee, there was absolutely no hesitation. We were going to turn our nightmare around and help those who would follow in our footsteps. If that meant sharing our wonderful and dreadful times, so be it. We know that in life you learn from your experiences and if we could help just one other patient or caregiver, we would." To that Jan adds, "I believe we have!"

From the beginning, Jan says, "Working with Nancy, Stacy and Holly Pencer Bellman to create this state-of-the-art brain tumor centre has been a wonderful experience. By being a part of PFAC we have used our personal experiences to help create a warm, caring, loving Centre, full of information and tools to make the long journey a little easier. Two of our proudest accomplishments have been the creation of the Patient Information Binder and CD-ROM specific to brain tumors."

"Working with the other members of PFAC, along with the Centre staff has been a wonderfully rewarding experience," said Jan .

There are not adequate words to say thank you to Jan for all her dedication and commitment to the Centre. Needless to say the Centre would not be the place it is today were it not for her and her fellow committee members. Over the next few issues of BrainScan we look forward to introducing you to more of these wonderful committed people. Quite simply, you will be amazed!

WANT TO HELP?

Achieving a high level of patient satisfaction is an ongoing mission for Princess Margaret Hospital and the Pencer Centre in particular. The Patient & Family Advisory Committee (PFAC) of the Centre helps to guide the staff in addressing those things that matter most to patients.

PFAC is currently seeking individuals who would be interested in volunteering to serve on this very important committee. If you are interested or know someone who would be interested, please contact Maureen Daniels at 416-946-2240 or Holly Pencer Bellman at 416-946-4565.

TOP 10 WEBSITES

The following websites have been suggested **by patients for patients**. If you have any questions regarding information gathered from these websites please consult your health professional.

1. Canadian Cancer Society – Ontario Division Research
www.ontario.cancer.ca/Siteboth/English/CCSA4B2C0D0E0F0G0.asp
A Canadian site with information on clinical trials and clinical research.

2. National Cancer Institute of Canada – Clinical Trials Group
www.ctg.queensu.ca
A Canadian site with information on clinical drug trials, clinical trials in cancer therapy, and supportive care across Canada and internationally

3. Cancer Clinical Trials Directory
www.fda.gov/oashi/cancer/trials.html
A U.S. site providing information on locations that either conduct cancer clinical trials or list current cancer trials

4. Cancer Trials Support Unit (CTSU)
www.ctsu.org
Enables patients to search for Phase III cancer treatment trials plus use the dictionary and links to learn about cancer, treatments, and participation in clinical trials

5. Wild Rose College, Calgary
www.wrc.net
A good guide to make sense of the overwhelming amount of information available regarding herbal supplements.

6. Alternative Medicine: Health Care Information Resources from McMaster University
www-hsl.mcmaster.ca/tomflem/almed.html
Information on alternative medicine that may complement standard treatment.

7. University of Arizona Nutrition, Exercise & Wellness Newsletter
www.ag.arizona.edu/nsc/new/news/newsl-00.htm
Practical, easy to understand information on nutrition and wellness

8. Quackwatch
www.quackwatch.com
A wealth of information about health scams itemized by category

9. Canadian Health Network
www.canadian-health-network.ca
A Canadian site that provides access to health centres, plus links to a huge number of Internet based resources.

10. The Brain Tumor Foundation of Canada
www.btfc.org
A Canadian site providing valuable information about brain tumors, treatments and other information of relevance to patients and families.

Clinical Trials Update

Neetu Malik
Clinical Trials Nurse

Each year at the Pencer Centre we undertake clinical studies in our ongoing commitment to research and finding improved treatments for brain tumors.

As the year turns let's look at some of the clinical trials we were working on last year and the stage they are at now:

1. A Phase III study of Temozolomide with & following radiation versus radiation alone, for newly diagnosed Glioblastoma Multiforme (GBM) patients.

   This study is being done to determine whether giving Temozolomide at initial diagnosis and following radiation therapy is better than the standard treatment-radiation. This is a large clinical trial both here and in Europe and continues to enrol more patients into the new year.

2. A Phase II study of Temozolomide in conjunction with Prinomastat or Placebo in patients with GBM: This study was being done to determine the effectiveness of Temozolomide and Prinomastat (an agent that inhibits tumor growth) in patients who have GBM and have completed radiation treatments.

   This trial was recently closed and the results will be made public in the coming few months.

3. A Phase II study of an investigational drug (T138067-sodium) in patients with malignant glioma (Anaplastic Astrocytoma & GBM): This will evaluate its effectiveness in producing cell destruction in the tumor and therefore increasing survival time. This trial is currently being evaluated for further continuation.

4. A Phase II study of Temodol in the treatment of relapsed Primary Brain Lymphoma is currently underway and will determine the effectiveness of this chemotherapy in progressive disease.

5. A Phase III study of Pre-Radiation Chemotherapy versus radiation for patients with Anaplastic Oligodendroglioma. This study continues to enrol patients at the centre to determine the efficacy of this regimen in improving survival.

Apart from the studies we are continuing from the past year there are those that we are hoping to begin in the new year. One such study is a Phase II trial of an Investigational Drug (SarCNU) in patients with Malignant Glioma. It will determine the effectiveness of this drug in improving survival and quality of life for our patients with progressive Anaplastic Astrocytoma or Glioblastoma Multiforme.

All of the clinical studies that are conducted here or elsewhere are focused on finding more effective treatments for patients and, someday, even a cure for brain tumor disease.

If you have questions about these or other studies, please do not hesitate to contact me at (416) 946-4624.

Medical News

Dr. Normand Laperriere
Associate Director

Stereotactic Radiation Therapy Program at PMH

The Stereotactic Radiation Therapy Program first began treating patients in October 1996, and we have since treated approximately 400 patients with our yearly numbers increasing each year. For selected patients with specific tumours, stereotactic radiation therapy represents a significant step forward in the continuing evolution of radiation techniques for patients with brain tumours.

Stereotactic radiation therapy refers to the delivery of very precise radiation with the aid of a special localizing frame affixed to a patient's head, and in turn this frame is attached to the end of the treatment table. For single treatments, the frame is attached to the patient's skull under local anesthesia, and this type of treatment is referred to as radiosurgery. For more conventionally delivered radiation with daily treatments over 4 to 6 weeks (stereotactic radiation therapy), the frame is fitted via custom made moulds of the patients upper teeth and the back of their head, so that the frame can be relocated on a daily basis to within a 1 millimeter degree of accuracy.

Single treatments are useful in the management of selected patients with recurrent brain tumours, most commonly patients with recurrent brain metastases. The patients for whom this approach is most useful are generally younger patients with a limited number of recurrent brain tumours (1-3) in whom there is no activity of their original primary tumour and no active disease elsewhere in their body.

Stereotactic fractionated radiation therapy

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Your Stories

LIVING MY LIFE TO THE FULLEST

by Karen Clarke

In June 2000, I was diagnosed with a brain tumor just after the heartbreaking break up of my marriage. I was in Montreal at the time visiting my family with my little boy. I had been going to my family doctor for two years complaining about dizziness. The first time I went to see her with my dizziness I asked, "Could it be a brain tumor?" She told me that at age 34, I was too young.

My neurosurgeon in Montreal wanted to do a biopsy. He told me the tumor was located in the pons, which is a very sensitive and dangerous area. When I sought out a second opinion, "Don't do a biopsy, it is too dangerous" is what I was told. Ultimately I decided to go ahead with the operation. Prior to the operation my doctor told me to me 'get my things in order', which I did. Happily, I made it through the biopsy with no deficits and I was still alive. However, the biopsy was not successful in determining what kind of tumor it was. Somehow though, I knew God would give me more time with my young boy.

My prognosis has always been a question mark. I have had opinions from many different doctors that range from 1 year to 10 years. I have also met many patients who have been given similarly grave prognoses and have beaten them by a long way.

When it came time for my radiation treatment there were differences in what was being offered by the doctors in Canada and the U.S. The doctors in the U.S. wanted to give me 6000 rads. My Canadian doctors were prescribing 5000 rads despite my begging them to give me 6000 rads. Ultimately, I settled for 5000 rads, the Canadian standard, when they explained to me that the extra 1000 rads wouldn't make the treatment any more effective. It was also comforting to be closer to my family.

During the radiation my looks changed drastically. In two months I went from a 125 lbs. pretty blonde to 165 lbs with no hair. I was unrecognizable. I had no energy. I was extremely depressed and pulled away from my little boy in order to prepare him for life without his mom. How was I going to get a grip on my life? Janet Hellman, and Dorothea Sater are my angels on earth. They are my therapists. They were there to remind me to live in the moment! My family has also been extremely supportive. I could never repay them for their love, support and strength. My stepson, Philip, was always there with hugs and great humour, which is extremely important.

With all that was going on, my family was exhausted and my two year-old had so much energy! I realized I would need help at home. For me it was hard to let go and accept help. Fortunately, Susan Carlton is another one of my angels. She helps me with my son and is now one of my closest friends.

Maureen Daniels once told me not to worry about going to bed with a dirty kitchen. I was a perfectionist. I took her words and applied them to my life. Today if you come to my house, there are toys everywhere, the kitchen counter is usually messy but my son and I are living each day to the fullest and are extremely unbelievably happy!

Like many other patients with my illness, I lost my driver's license. What a loss of independence! Eventually I was able to get it back again and when I did my three year- old and I went shopping for a Volkswagen Beetle. How can you not be happy driving such a silly looking car?

There is a great song by Our Lady Peace called "Life". My son and I know all the words. The chorus goes:

Life is waiting for you, it's all messed up, but we're still alive.

That is so true for people living with cancer because it is a struggle, but life is still there waiting for us to live it.

When I was asked to write my story I was confused. I was not a survivor; it has only been a year. Having written this I see that I am a survivor! Today I am doing okay. It is a daily struggle living with a tumor. I live with different symptoms as they come. There are always questions I ask myself often like, Is the tumor growing? What does this symptom mean? How long do I have? Well I have today and I've learned to love again. I love watching my son eat breakfast, telling him bedtime stories and most important I learned to live life to the fullest.

Karen Clarke, left, and a friend.

Medical News

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is most frequently utilized in patients with discrete slow growing tumours such as meningiomas, acoustic neuromas, pituitary adenomas, craniopharyngiomas, and some cases of pilocytic astrocytomas. These represent tumours where there is no significant infiltration of the normal brain, and the use of stereotactic localization allows us to significantly reduce the volume of normal brain receiving high doses of radiation. This is particularly important in the management of children with brain tumours where the growing brain can be more sensitive to the effects of radiation.

Our stereotactic program includes the use of multiple arcs, multiple static fields, and the use of Intensity Modulated Radiation Therapy (IMRT), a relatively recent innovation which allows one to better shape the region of high dose radiation to the shape of the tumour in 3 dimensions.

Staff Profile

Cheryl Kanter
Social Worker

What…Dorothy Williams is leaving the Pencer Centre? How can that be? Those patients and families who have had the pleasure of meeting and working with Dorothy over the years will know that nothing personifies what the Pencer Centre strives to be more than her. Dorothy is compassionate, hardworking and a committed advocate for our patients and families. She works tirelessly to ensure that our patients get all they are entitled to with as little frustration as possible and is also a kind and empathetic source of support and caring. Needless to say, when Dorothy announced this autumn that after 11 years of service to Princess Margaret Hospital she was resigning to take a much-needed rest and enjoy some of her other interests, we were deeply saddened. We are sorry to see Dorothy go. She has been a part of the Pencer Centre since before the doors even opened in November 1998 and we wish her all good things in her future endeavours. We know she will stay in touch!

There's a lot of truth to the saying that "Every Cloud has a Silver Lining" and with that in mind we would like to introduce you to Cheryl Kanter. At a recent event, Cheryl was introduced to a group of people as "our brave new social worker" and we think that is a pretty great way of describing her. Cheryl has just recently returned to her native Canada after living in New York City for the past several years. She has a strong background in psychology and has earned her masters degree in Social Work from the prestigious Yeshiva University in New York, New York. Both her educational background and more recently her job experience have provided Cheryl with a broad range of experience. She has done extensive group work, counselling of individuals, couples and families. In addition, she has been very involved in advocating on behalf of patients to receive the social services they are entitled to and in comprehensive discharge planning.

Although Cheryl has only been with us at the Pencer Centre for a few short weeks she says that she is excited about working in this new area. "The part of my job that I enjoy the most is working with patients and building new relationships. Knowing you are making a difference in a patient's life is very rewarding," explains Cheryl. " In addition, I am looking forward to working at the Pencer Centre because it is a wonderful opportunity to learn."

Cheryl also has a keen interest in helping children and is eager to explore ways in which the Pencer Centre can begin to put more focus on them. "I would like to look at ways we can help our patients who are parents talk with their children about their illness and perhaps provide some ways to help the children express their reactions to the illness of a parent in a safe environment," explains Cheryl.

Cheryl's resume reveals that she has worked in a number of settings that have a multidisciplinary team approach, much like that of the Pencer Centre. We are thrilled that Cheryl is joining our multidisciplinary team. The staff here is looking forward to working with Cheryl and we know our patients and families will quickly come to know her and appreciate her quiet, confident manner and expertise. Cheryl can be reached in the Pencer Centre Monday-Friday at 416-946-4528.

Director's Messsage, cont. from page 1

Mikey and Anita Benhaim for creating the show, to the entire cast and crew for their creative genius, and to all the volunteers for making it happen.

Did you hear that the circus is coming to town?? On Thursday, June 13, 2002, The Pencer Brain Trust will present **Circus Circus** at The Liberty Grand Entertainment Complex, Exhibition Place. This magical evening, geared to raise money for The Pencer Brain Tumor Centre, promises 3 ring circus entertainment, elegant circus fare, fabulous live and silent auctions, music, and more. Last year,our Play for a Cure gala net more than $200,000 for research and patient care at the Pencer Centre. This year, with your help, our goal is to raise in excess of $300,000. If you are interested in purchasing tickets or in becoming one of our distinguished sponsors, please call (416) 923-2999 for a corporate package.

And finally, for you golfers out there, book your foursome early for the Second Annual Gerry Pencer Golf Tournament on August 26, 2002. The event will be held, once again, at the historic Scarboro Golf and Country Club and all proceeds go to the Pencer Brain Trust. For more information, please call Linda at (416) 923-2999.

As usual, Thanks to all our supporters and everyone who contributed to this issue and as always, if you have any ideas or suggestions about the newsletter, or you would like to get on our mailing list, or have a story to share, please feel free to contact me by phone or by e-mail.

Dan Sheehan and Heather Aitken were spotted at THE HAPPIEST PLACE ON EARTH (Disneyland in Orlando, Florida) wearing their Pencer hats.

THE GERRY & NANCY PENCER BRAIN TRUST

The Gerry & Nancy Pencer Brain Trust is a not-for-profit organization that was developed by the late Gerry Pencer to make a difference in the quality of life of people who live with brain tumors. This private family foundation is the catalyst in the establishment of **The Gerry & Nancy Pencer Brain Tumor Centre** at Princess Margaret Hospital, Toronto. **The Centre** is dedicated to providing multi-disciplinary care, treatment, and support for brain tumor patients and their families. Additionally, the Brain Trust, in collaboration with **The Brain Tumor Centre** will seek to facilitate and fund the best local, national, and international brain tumor research in the hopes of finding a cure for brain cancer.

The Board of Advisors of The Gerry & Nancy Pencer Brain Trust include:

- **Lawrence Bloomberg**, CFA, Co-Chairman and Co-CEO, National Bank Financial Ltd.
- **Richard Cole**, President, R.J. Cole Financial Consulting Limited
- **David Cynamon**, Chairman & CEO, KIK Corporation
- **Lloyd Fogler**, Q.C., Partner, Fogler, Rubinoff, LLP
- **Dianne Lister**, LL.B., CFRE, President & CEO, The Sick Kids Hospital Foundation
- **Dr. Christopher Paige**, PH.D, Vice President Research, The University Health Network
- **Holly Pencer Bellman**, Executive Director, The Gerry & Nancy Pencer Brain Trust
- **Nancy Pencer**, President, The Gerry & Nancy Pencer Brain Trust
- **Dr. Daniel Silver**, M.D., FRCP (C) Consultant to the Department of Psychiatry, Mount Sinai Hospital
- **Larry Tanenbaum**, President, Kilmer Van Nostrand Co. Limited

For more information about The Brain Trust contact Holly Pencer Bellman at (416) 946-4565.

WHAT'S ON?

The following activities are scheduled over the next few months at The Gerry & Nancy Pencer Brain Tumor Centre. In rare instances programs are cancelled, so, if you are coming to the Centre for a Drop-in program, we ask that you please call ahead to ensure the program is still on for that day. If you would like further information about any of these activities, please contact Maureen Daniels at (416) 946-2240.

Support Groups for Brain Tumor Patients and Families. Our support groups run the second Tuesday of each month from 7:00-8:30 pm. These groups are facilitated Cheryl Kanter, Neetu Malik, Stephanie Phan and Maureen Daniels at the Pencer Centre. Patients meet as one group while the caregivers meet separately in another room. This is a drop in program and no prior registration is required. Simply come to the Centre on the evening the group meets.

Relaxation Therapy. Need some relaxation after a busy holiday season? Our drop in relaxation therapy sessions continue each Wednesday afternoon from 1:00 pm-1:45 pm. This group is led by our occupational therapist Stephanie Phan, and offers patients and family members an opportunity to learn a number of useful techniques for relaxation. This is a drop in program and no prior registration is required, simply come to the Centre when the group meets.

Art Therapy will get off to a quick start in the New Year. Lead by well-known art therapist Gilda Grossman this program uses art as a means to explore and share feelings. No prior art experience is necessary to benefit from this program. For a complete list of dates or to register call Maureen at 416-946-2240.

Our **Patient Information Binder** has a new look and more useful information then ever before! Included in the new edition is a copy of *Brainspirations*, a treasury of inspiring stories, poems and recipes, published by our own Patient & Family Advisory Committee. If you are a patient of the Pencer Centre, and have not received a copy of our Patient Information Binder, please contact Maureen Daniels at 416-946-2240 to arrange to get a copy. This binder is an excellent organizational tool for keeping track of appointments and all the other information you need during your ongoing treatment. It also contains a wealth of information on brain tumors, treatment, available support services and much, much more.

Radiation Therapy Information Sessions. Every other Wednesday in the Radiation Therapy department on level 2B of Princess Margaret Hospital from 11:00-11:30 am, our dedicated Radiation Therapists provide an information session on Radiation Therapy to the Brain. Take this opportunity to learn more about this form of treatment, how it works, and what the expected side effects might be. Time is also provided for questions. This program is a drop-in program so no prior registration is required. For a complete list of upcoming dates, please contact 416-946-2240.

Our recently completed **CD-ROM** which contains over 20 hours of information on brain tumors, available treatments, supportive care services and even real life patient experiences is now accessible via the computer in the Resource Centre in the Pencer Centre. In addition, copies are also available to borrow through the main Patient & Family Library at Princess Margaret Hospital. The staff at the Centre or one of our Resource Volunteers would be happy to help you learn to use this wonderful tool. If you would like to book a time to come in please call 416-946-2240 or drop by the Resource Centre.

Quarterly quote

The Driving Force behind the official declaration of October as Brain Tumor Awareness Month is Bob Wood (PC London West) who received indications of encouragement and gratitude from brain tumor survivors in many communities across Canada, not just Ontario.

excerpted from November 19, 2001 Media Release by Brain Tumor Foundation of Canada

Did you know? The Brain Trust has a toll-free number! 1-(877)-282-HOPE

BRAINSCAN

BrainScan is published quarterly by The Gerry & Nancy Pencer Brain Trust. Inquiries or requests to reprint any of the articles should be directed to Holly Pencer Bellman, Executive Director, The Gerry & Nancy Pencer Brain Trust, c/o Princess Margaret Hospital, 610 University Avenue, 18th Floor, Room 712, Toronto, Ontario M5G 2M9 Tel: 416-946-4565 or email: holly.pencer@uhn.on.ca

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