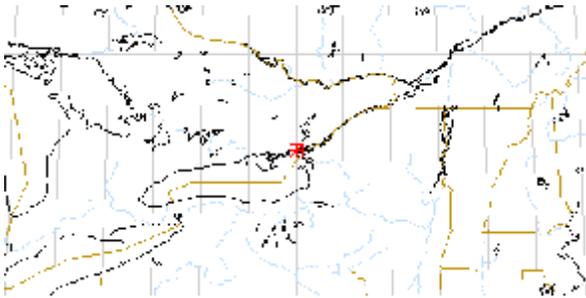

Pathology News

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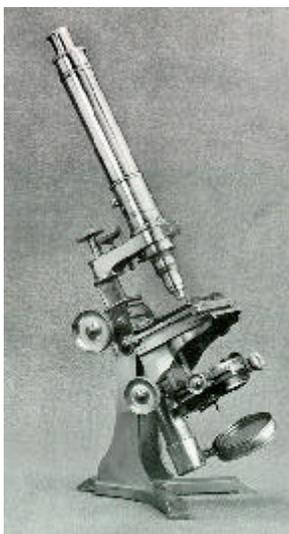


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Department of Pathology,
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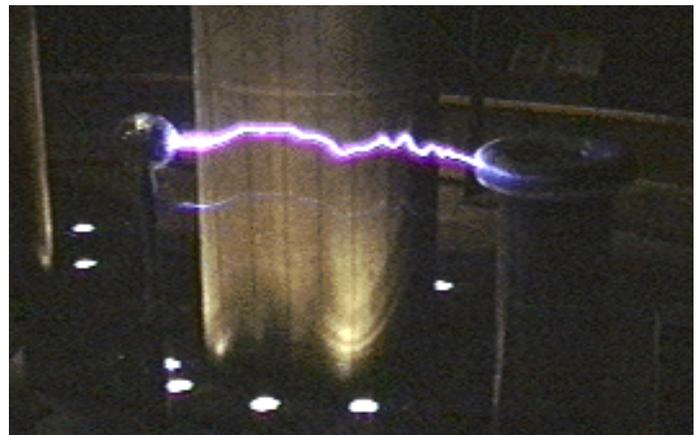
We publish only that which is submitted! (There are no expense accounts and no reporters) If there is no news about your area that means we haven't received any!



For Your Info

First Notice: POWER OUTAGE
MONDAY APRIL 16th, 2001
in Richardson Labs

A power outage in Botterell Hall is tentatively



planned for April 16-17, 2001. This outage is necessary to allow new 5kV distribution equipment to be installed in Botterell Hall. This work will improve power system reliability and will correct an equipment loading problem that has arisen as a result of load growth in Botterell Hall.

The Botterell Hall generators will run during this outage however only a portion of the building load is served by backup power. The building will be closed during the outage.

There will be an outage of approximately 2h duration affecting Richardson Lab and Etherington Hall on April 16, 2001 to allow the Botterell equipment to be safely disconnected.

More detail to Follow

Milestones

Queen's University

Barb Saunders - 15 years

Revised Travel Policy - Queen's University

You will notice that the 'Travel and Subsistence' policy has been changed, effective November 1, 2000.

Please find below the main changes;

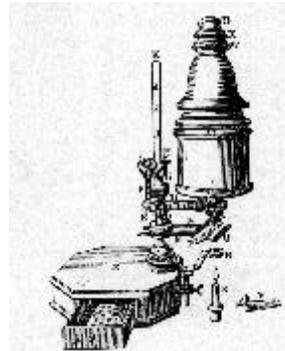
1. Increase the mileage allowance from 27 cents per km to 36 cents per km.
2. Meal allowance rates for travel within Canada remain unchanged at \$45 per day. The average daily meal rate for Ontario Universities is \$41 per day. Outside Ontario the average rate is \$40 per day. The Ontario Public Service receives \$34 per day.
3. Meal allowance rates for travel in the United States is \$45 US per day (clarified).
4. Meal allowance rates for other foreign travel will follow Treasury Board Secretariat Guidelines. A link to the TBS web site will be provided. Meal rates for common destinations have been included in the policy.
5. For electronic tickets we require the itinerary and the boarding pass as supporting documentation.
6. Airline tickets will no longer be site-stamped and reimbursed prior to traveling. If tickets are purchased in advance to obtain preferred fares, the employee may request a travel advance to pay for the ticket.
7. For airfare reimbursement you must submit the ticket stub along with the invoice from the travel agent.

Additional information can be found by following the 'Policy Link' at the following website:

<http://www.notes.queensu.ca/finance.nsf>. Look for the Travel and Subsistence document.

D r. Dexter's Corner

MOLECULAR PATHOLOGY OR WHY I WANT A BETTER MICROSCOPE



It was not so very long ago, as I sat peering through the lens of my microscope, that I thought I could see what was wrong. Those cells did not seem normal. Aberrations of shape, of size, of staining character were apparent in the nuclei. The cytoplasm was not much better

and, further, the cells were not aligned in the usual approved histologic format. Distillation of all these observations, both subtle and obvious, led "Eureka" - like to a diagnosis - an understanding of what was amiss and a correlation with the clinical abnormalities and the patients' symptoms. All was well in the theatre of pathology. This was what it was all about.

Then came the Electron Microscope. This was much bigger and did not fit on my desk. Further, and perhaps much more significant, most of the action and analysis occurred in the dark, for light was anathema to the function of screening and photography. Still, the process of diagnosis was basically morphological. One rooted about in the innards of an individual cell looking for clues that one hoped were applicable more generally to the lesion in question. One felt an intruder into private cellular affairs, and that was a little sneaky. Vast sums were spent on concrete floors to provide stable vibration free platforms and whole texts were generated on the morphology of normal and pathological micro environmental changes of the intracellular world. One adapted to this new capability and hours were dutifully spent in the EM suite.

What will be most challenging to Pathologists is the looming impact of the Genome Project. Herein, please find the instructions for molecular manufacturing. This will

have a huge impact on our understanding of the normal and the abnormal, but it is at a level beyond my microscope and, indeed, of a complexity that will exceed normal brain capacity and function.

But there is yet another vista of molecular diagnostics that has not yet achieved the publicity and notoriety of the Genome project. It is the area of Proteomics. This approach looks backwards at the manufacturing process by analysis of the product. While proteins are the main functional output, analysis of the genetic code cannot always indicate whether a certain protein will be made, the quantity, or the form. It does not give any indication of post-translational activities or modifications - factors that give proteins their function. The additional impact of environmental factors and exposure to mutagenic factors does not always allow for assessment by examination of the genome. The beta-flip activity of prions may be a case in point. So our next series of scientific adventures will be in Proteomics.

So it is that the new field of Molecular Pathology has developed, is flourishing, and is virulently expansile. It will challenge our comprehension and it is very definitely beyond the resolution of my microscope.

Would Santa Claus consider bringing me a new one for Christmas, please?

I think I have been good? Oh, yes, and I do need a really big powerful lens!

A lumni Corner

A brief note from Michael Wendelboe (his wife Nancy actually) and their new address:

NEW ADDRESS:

Dr. Michael W. Wendelboe
6201 Parkwood Drive
Nanaimo, BC V9T 6C8
(250) 758-8177
mwendelboe@look.ca

I can't remember when I last wrote you with an update so here it is:

We have 3 kids: Erik 8 yrs old, Paul 5 yrs old, and Emily 3 yrs old. We moved to Nanaimo in July. Michael is working with a great group of Pathologists at the Nanaimo Regional General Hospital as a general pathologist. He is really enjoying this position. Nanaimo is a beautiful city to live. The weather has been absolutely wonderful, so far and the scenery is breath taking. We are adapting well to a new place. The kids (Erik and Paul) are enjoying school a lot and have made lots of friends. Me, Nancy, has been staying home with the kids since we moved away from Kingston. I am blessed to have the choice to stay home without the pressures for needed income.

Nancy Wendleboe

Clinical News

RAC3

I suspect that very few Royal College Fellows know what RAC3 stands for. There is a Regional Advisory Committee (RAC) in each geographic region of the country which advises and reports to the Executive of the Royal College of Physicians and Surgeons of Canada through the Vice-President of Fellowship Affairs. RAC3 represents Ontario and Nunavut.

While acting within the limitations of the core functions of the College, the Regional Advisory Committees are charged with the following:

Act in a consultative capacity and assist with policy development. This is achieved by

participating, where appropriate, with the development of policies and programs originating from any section of the College. The RACs are expected to serve as a sounding board for new policies and programs and to advise Executive and Council through the Fellowship Affairs Committee.

Promote professional development by sponsoring workshops and participating at the local level with the promotion of the Maintenance of Certification Program. Through its awards and grants system, each RAC is expected to maximize on the opportunities available to assist Fellows with their professional development.

Provide an opportunity for recruitment and serve as a "training ground" for Fellows who share an interest in serving the College in a variety of ways.

Assist the College in its communication strategy.

I have recently been appointed to RAC3 for a three year term. I am the only Laboratory Physician out of a group of 16 Fellows. The twice yearly meetings provide a useful opportunity to advocate for issues pertaining to Laboratory Medicine. However, there is information that comes from these meetings that may be of interest to other Fellows in the Department of Pathology. For example, this year RAC3 was given a budget of more than \$98,000 for grants and traineeships. Only 75% of that budget was spent. The list of organizations that requested grants included none from Queen's. It is worth remembering that a CME event that occurs within Ontario and that has clinical material presented which is appropriate for specialists, is eligible for up to \$1200 funding for the visiting professor or speaker. A certificate will be prepared to be given to the speaker or the visiting professor at the time of the event. Eligibility is limited

to one event per year per hospital or faculty department. The complete list of guidelines is available in Dr. Manley's office.

It should also be noted that the Royal College provides funding to Fellows for clinical traineeships. A clinical traineeship is defined as a relatively short period of personalized professional development for physicians or surgeons who arrange to leave their medical practice for advanced training designed to meet their specific needs and the needs of the community. It is an active, individualized and practical experience related to clearly defined educational objectives. It is not a passive course. A review of the 15 clinical traineeships approved for 2000 includes only one application from Kingston. (Interestingly, a general pathologist from Sarnia was awarded a grant to do a one week rotation at Memorial Sloan-Kettering Cancer Centre).

I hope that this brief overview of RAC3 is helpful, especially to any of you considering inviting a visiting professor to any of our departmental rounds.

Submitted by Sandip K. SenGupta, M.D.

Grants and Such

Grants have grown to such a huge page of the newsletter that we have split them off into a separate supplement to the newsletter. All researchers & faculty will receive the supplement as well as any one else who wants it. Otherwise the rest of the subscribers get everything but.

There are 16 pages for December.

These are available on our web site:

<http://www.path.queensu.ca/pathnews/grants.htm>

5th Annual Clinical Trust Fund Competition

The deadline for submission of applications to the Department of Pathology Clinical Trust Fund competition will be **Monday, January 29th 2001**. A memorandum detailing the terms of reference for this competition will be circulated in the next month or so, but they are unchanged from last year. Some of the critical elements of this program are as follows. The principal investigator or co-investigator must have a primary appointment in the Kingston Hospitals' Department of Pathology; funds may be made available for projects that can extend from utilization and outcome studies to clinically applied basic research; funds may be requested for supplies, research personnel and research related equipment; travel, graduate student stipends and faculty salaries will not be funded through this program; funds for individual grants will be limited to a maximum of \$10,000.

Application forms for this competition can be obtained from **Barb Latimer** in the Departmental office or on the departmental network under g:\general\clinicaltrust\2001applicationform. The application includes a two page research proposal, a financial statement and the principal investigator's current curriculum vitae.

Richardson Research Seminars 2000

Tuesdays at 4:00 pm, Richardson
Amphitheatre, Richardson Laboratory

| Date | Speaker |
|-------------------|----------------------------|
| December 12, 2000 | Glenn MacLean, MSc Student |
| December 19, 2000 | No seminar |
| January 9, 2001 | No Seminar |
| January 16, 2001 | Brandy Hyndman, MSc |
| January 23, 2001 | Dr. Doug Munoz, Physiology |

| | |
|------------------|--|
| January 30, 2001 | Fiona Grant, MSc Student Eva Lin, MSc Student |
|------------------|--|

Undergraduate News

The 'University Enrolment (Headcount) Report' is now available on OUR homepage as a pdf file

<http://www.queensu.ca/registrar/>

This count is created by Leanne McNeely : converted to pdf and loaded to the web by me. You will need to have Acrobat Reader installed on your pc to open the file - Acrobat is available on Packman. The link is called 'Headcount' and not 'Enrolment' because it was suggested that people might think the enrolment link would bring them to a site for enrolling into courses (or enrolling at Queen's).

Jobs Available

Montreal Neurological Institute
McGill University is inviting applications for the position of Director of the Montreal Neurological Institute (MNI). The MNI, founded in 1934 by Dr. Wilder Penfield, has a tradition of excellence in research in neurological sciences and medicine. It includes 55 research laboratories including groups in neuronal survival, neuro-muscular biology, neuroimmunology, excitable tissues, cognitive neuroscience as well as the Brain Imaging Center and the Brain Tumor Research Center.

The scientific staff of the institute includes 91 scientists and 250 postdoctoral fellows and graduate students. Members of the Institute normally have appointments in the Department of Neurology and Neurosurgery of the Faculty of Medicine at McGill University. The current extramural support of the academic staff of the Institute amounts to over \$10 million.

Applicants should have a demonstrated track record of excellence in research in neurosciences and/or neurology/neurosurgery. As well, the successful applicant will have demonstrated administrative skills and the capacity to direct a large cadre of investigators and clinical scientists. A commitment to research with an international reputation are important attributes. The selected candidate can either be a scientist or clinician scientist by professional training.

Interested applicants should send their curriculum vitae before January 1, 2001 to: Dr. Abraham Fuks, Chair, Selection Committee, Faculty of Medicine, McGill University, McIntyre Medical Sciences Building, 3655 Promenade Sir William Osler, Montreal, Quebec H3G 1Y6

St. Joseph's Health Centre, Toronto

The Department of Laboratory Medicine invites applications for a full-time staff pathologist, General or Anatomic. St. Joseph's Health Centre is a major community teaching hospital, affiliated with the University of Toronto and located at the South-West End of the City. The Hospital is undergoing major facility redevelopment and expansion, as part of a 5-year Mast Plan, under a renewed and progressive leadership.

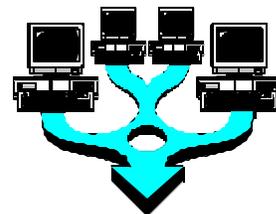
The Laboratories have just completed the appointment of several new technical staff, are adding new tests and have embarked on extensive equipment upgrading and replacement. The successful candidate will be a dynamic and enthusiastic professional with a proven track record in diagnostic pathology. She/he will join a group of 4 laboratory physicians and 2 clinical scientists and will participate in surgical pathology with a busy frozen section consultation practice for the numerous surgical services, including a large thoracic program. In addition, participation in hospital autopsies and a full cytology service is expected.

A developed interest in Hematology/Transfusion Medicine will be an asset or alternatively, a willingness

to develop one, according to the needs of the department. Participation in a variety of educational activities, including teaching undergraduate students and residents in laboratory medicine, surgery and family medicine will be encouraged.

Applicants must be licensed to practice in Ontario and have a RCPSC certification in either GP or AP. CV and names of 3 references must be submitted by **December 15, 2000** to: Dr. Vina Alexopoulou, Chief, Laboratory Medicine and Director of Laboratories, c/o Marie Louise Joffe, Medical Affairs, St. Joseph's Health Centre, 30 the Queensway, Toronto, ON M6R 1B5. Tel: 416-530-6267; Fax: 416-530-6284; e-mail: joffem@stjoe.on.ca.

Network News



Server Upgrades

The Main File Server **Richlab1** was upgraded to a Pentium3 - 800 Mhz on December 3rd. Many of the backup processes are now taking 1/3 the time they used to, so it's safe to say this has speeded things up a bit! The **Web server** was upgraded on December 3rd to a pentium2 - 400 MHz and is also doing well. **CDServer1** went through an upgrade, as did the **KGHgate** Server.

Workstation Upgrades

We are almost finished with one of the biggest single upgrade projects in years.

Most>All Faculty have left the pentium class era and moved into Pentium 2's and 3's and from 166 Mhz up to 400's and 500's. Newer video and ethernet cards in many cases and newer harddrives as well.

Now when things crash they should crash faster!

The six library machines were also upgraded to pentium 2 class systems as have 3 of the Resident workstations.

Server stability:

Web Server 11:57am up 8 days

CD Server 11:50am up 2 days

KGHGate 11:50am up 1 days

Email Traffic:

Remember when I used to post the amount of email in and out of the department for the last month?

November 1996: 3976

November 1998: 9388

November 1999: 18213

November 2000: 21662

pieces of email in and out, and in general, they are getting bigger as more and more people send more and larger attachments.



Annual Email Cleanup

Now would be a good time to start going through and DELETING old email that you will never need again, and especially large ATTACHMENTS.

- The idea for attachments is to receive them, save them to disk and then delete the email attachment itself.

You can also go and clean out your main folder by grouping and moving messages from 2000 into a new mail folder called 2000. This keeps your main folder cleaner and faster (more than 100 or 200 messages slows it down a lot).

If you need help in clearing this stuff out, let me know and I'll stop by. Special email reminders will go out to those who are using a *&^*^ LOT of space.

Currently we are using approx 3 GIGabytes of storage for email (about 1/3 to 1/2 of all of our data)



Campus Computer Power Outage

On WEDNESDAY, DECEMBER 27, from 8:00 AM to 8:00 PM, POWER WILL BE OFF in DUPUIS HALL for work on the building transformer and power control equipment. If unforeseen problems arise, there may be a similar outage on Thursday, December 28. No alternate power source is available in Dupuis for this extended outage.

This will affect post, qlink, knot, webct, dialin services, adsm, qline, packman, webproxy and pretty well anything else you can think of.

For us in Pathology it means no mail will be going out or coming in. Connectivity to the rest of the internet and KGH specifically will PROBABLY be down. I haven't heard a confirmation yet.

Laptop Computer Bookings:

PLEASE PLEASE PLEASE

If you are signing out the laptop and keep it after hours you MUST return it as soon as possible the next morning. There have been a dozen incidents where it was booked and needed the next morning and was not yet returned!



A short note to say the laptop suffered a hard drive crash and was reformatted and reinstalled on Saturday December 9th.

Digital Microscope Camera

The Digital camera for the photomicroscope has not yet



arrived or been installed, but the SLR camera has and has been put into service, replacing the 35mm slide camera previously used.

Images taken with this camera are being stored on the PHOTOMIC workstation and these are accessible to internal department workstation by READ-ONLY file sharing (see network neighbourhood, photomic, archive).

Alternatively I've created an internal only web link that you can use to view thumbnails of the images and then the images themselves.

From our main web page click on Internal Users then photomic archives.

data the web page is currently manually updated... later on this will be automated on an Hourly? Daily? basis.

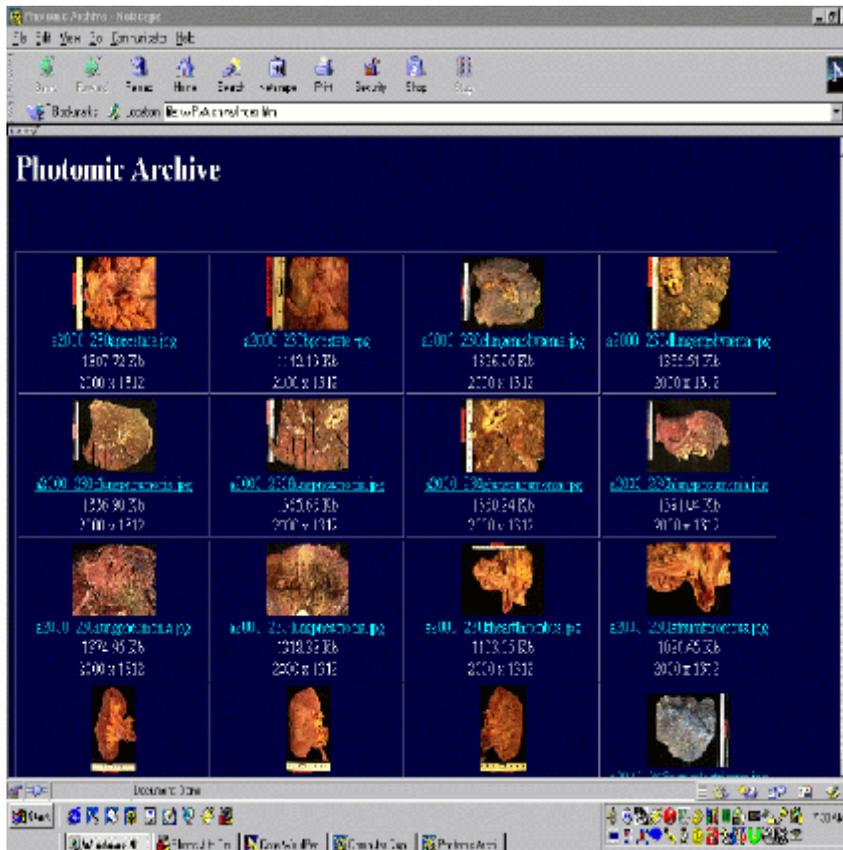
NOTE: This is NOT the Final version of the user view... we are testing a variety of "look and feel" concepts here along with some automation.

Backups are done nightly to a remote workstation as well.

Article Submissions

SUBMISSION DATE: Pathology News will be mailed to all faculty, housestaff, graduate students, and anyone who requests it on the Friday following the first Monday of the month. The next deadline date for submission will be *Monday January 8th*

Send items (in order of preference) by: 1) email, 2) floppy disk, 3) paper mail, or 4) FAX.



This takes you to an explanatory page and then to the actual thumbnail images. Although this is the "live"