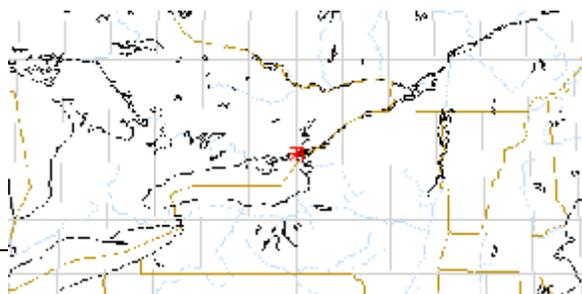

Pathology News

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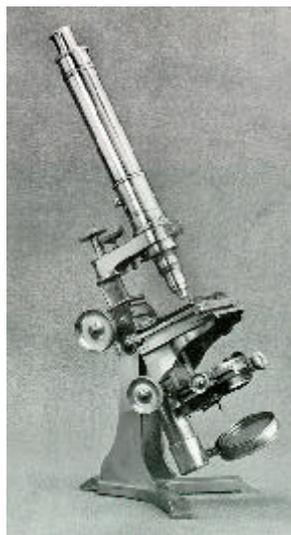
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We publish only that which is submitted! (There are no expense accounts and no reporters) If there is no news about your area that means we haven't received any!

From the Head

Queen's University awards two prizes each year for Excellence in Research to its faculty. Usually one prize is awarded in the areas of the humanities and the social sciences and the second in the natural sciences, medical sciences and engineering. The prizes are Queen's most prestigious awards in research and reflect the international standing of the awardees. Since its inception in 1980 members of our department have won the award six times, exceeding all other departments of the university. Members of the Chemistry and Economics department have won five times. In the entire faculty of Health Sciences there have only been six other awardees outside of our department; all three physician scientist awardees in the last twenty years are departmental members. It's clear we have some exceptional colleagues who have not been disadvantaged by being within the department.

The following are the addresses describing our awardees and their achievements as read from the podium during convocation. They are arranged chronologically from 1985-present.

1985 Queen's Prize for Excellence in Research - Dr. Adolfo Jose de Bold

Success in scientific research usually comes from individuals who possess unique qualities. In the case of Adolfo Jose de Bold his success has come from his ability to identify something of importance even when those around him were not convinced and from dogged persistence. Dr. de Bold's identification and isolation of cardionatrin is one

of the major scientific successes of the past few years. The seeds of his success were sown during his graduate training at Queen's University with Dr. Sergio Bencosme. The morphological observations of cells within the heart which were atypical and looked more like an endocrine gland than muscle aroused the curiosity of Dr. Bencosme. Dr. de Bold took up this challenge. With determination, persistence and the solid application of logic and good science, his work led to the discovery that the heart can function as an endocrine gland and can secrete a polypeptide which exerts profound effects on kidney function.

This work is not only one of the most important discoveries in biomedical science in recent years because of its intrinsic importance; it may be the key to the development of new therapeutic substances. Queen's is honoured that Dr. de Bold should have had his training and his appointment at Queen's and by his dedication have made such a major discovery in science.

1989 Queen's Prize for Excellence in Research - Dr. Alan Randolph Giles

Alan Randolph Giles, born and raised in Wallasey, Cheshire, England, obtained his medical degree from St. Mary's Hospital Medical School, University of London, England. Following training in Clinical Chemistry and Hematology at St. Mary's Hospital and a brief stint as a general medical practitioner, he completed his training in Clinical Hematology and Internal Medicine at McMaster University. While in Hamilton he became Associate Director of the Canadian Red Cross Blood Transfusion Service, Hamilton Centre, and Assistant Professor in both the Departments of Pathology and Medicine, McMaster University.

Dr. Giles joined the Departments of Pathology and Medicine at Queen's University in 1979 where he is now full Professor in both departments. He quickly established himself as a superior researcher with his observations on the then existing problems in the

treatment of hemophiliacs. These clinical observations served as a springboard for the development of new approaches to hemophiliac therapy, ones which will obviate the risk of hemophiliacs contracting hepatitis or AIDS from blood transfusions. For his work on hemophilia and his investigations into aspects of the mechanism of blood coagulation, he has been a past recipient of the Paul Barron Memorial Award for Distinguished Service to Hemophilia, and was recently awarded a Distinguished Research Professorship by the Heart and Stroke Foundation of Ontario.

Dr. Giles has become internationally recognized for his pioneering research work. He has brought great credit home to Queen's.

1991 Queen's Prize for Excellence in Research - Dr. Roger Graham Deeley

Roger Deeley received his PhD in biochemistry from Sheffield University in England. After spending nine years at the National Cancer Institute of the National Institutes of Health in Bethesda, Maryland, he joined the Queen's faculty in 1980 as the recipient of a Medical Research Council Development Award. In 1987 Dr. Deeley was appointed Stauffer Research Professor and Director of the Cancer Research Laboratories. Since then he has built up a major research group of ten faculty members, in part aided by a Terry Fox Team Development Award he received from the National Cancer Institute of Canada.

Dr. Deeley is an internationally renowned expert in molecular biology and endocrinology, with particular emphasis on the regulation of gene expression by female steroid hormones. His research is funded by the Medical Research Council of Canada, the Heart and Stroke Foundation of Ontario, and the National Cancer Institute of Canada, a testimony to the fundamental importance of Dr. Deeley's work to the understanding of many disease processes.

The impact of Dr. Deeley's work can be measured by the numerous invitations he has received to speak at

major universities and research institutes, in key industrial research departments, and at the most prestigious conference in his field. In addition, his research is always published in the very best scientific journals and is widely cited. In recognition of his contributions to his discipline, he received the Bristol Laboratories Senior Scientist Award in 1984. Dr. Deeley is a pioneer in the molecular biology of steroid hormone action whose work has always been, and continues to be, truly deserving of the term “excellent”.

1994 Queen’s Prize for Excellence in Research - Dr. Susan Patricia Cooper Cole

Susan Cole exemplifies the qualities that produce excellence in research. She is imaginative, persistent, thorough, and fired by the need to know why. Born and raised in Toronto, she is professionally a “product” of Queen’s University. She received an Honours BSc degree in Biochemistry in 1976 and a Ph.D. in Pharmacology in 1981. After spending a year as a Fogarty International Fellow at the National Institutes of Health in Bethesda, Maryland, she returned to Queen’s as a research associate in the Department of Microbiology and Immunology.

In 1985 she accepted a dual position – first as a Career Scientist with the Ontario Cancer Treatment and Research Foundation at Kingston’s Regional Cancer Centre, and second as an assistant professor in Queen’s Department of Oncology and Department of Microbiology and Immunology. Despite her research position, she has always carried a full load of academic responsibilities. She is currently Professor of Oncology, with cross-appointments to two other departments: Pathology and Pharmacology and Toxicology.

Susan Cole has devoted her research career to the study of cancer. As an internationally recognized authority on mechanisms by which lung cancer cells become resistant to chemotherapy, she receives many invitations to speak at research institutes, major universities and international conferences. She has attained this status through her dedication to

understanding fully the nature of the drug resistant tumour cell.

Prior to accepting this research prize, she received the Faculty of Medicine’s Basmajian Award and the Merck-Frosst Award of the Pharmacological Society of Canada - the later a prestigious national award for senior scientists. Clearly, Susan Cole’s accomplishments have been a credit to Canada, as well as to Queen’s University.

1996 Queen’s Prize for Excellence in Research - Dr. Robert Kisilevsky

Bob Kisilevsky was born and schooled in Montreal at Baron Byng High School and McGill. He graduated magna cum laude in Biochemistry and was then admitted to medical school. Bob progressively committed himself to a research career and combined training in anatomic pathology with a PhD in Biochemistry at the University of Pittsburgh. He arrived at Queen’s in 1970 after an MRC Fellowship at University College Medical School in London, England and has served as Chair of Pathology and Pathologist-in-Chief of the Hotel Dieu and Kingston General Hospitals.

Bob’s initial research extended his prior work on the disturbance of protein synthesis during cell injury. But it was collaboration with a close friend and another practising pathologist in the Department of Pathology, Michael Axelrad, who subsequently died from amyloidosis that led to this award. Bob began to focus his research on the pathogenesis of amyloidosis and more recently its relationship to Alzheimer’s Disease and atherosclerosis. He is recognized as an international authority on amyloidosis, published extensively, and has been the recipient of continuous competitive research funding. Recently he has attracted international venture capital to his research program through Parateq.

The reasons for Bob’s discovery of basic principles underlying the pathogenesis of amyloidosis and its translation into pharmacological approaches to preventing Alzheimer’s disease are complex. Some relate to serendipity, friendship and intelligence. Others are features he has exhibited in his two major sporting outlets, sprinting as a youth and presently

squash - competition against international standards, focussing on your strengths and playing with a select and small group. He continues to be directed by curiosity and independence of mind, sustained by perseverance and driven by the pleasure of usually confirming his hypotheses. His joy, innovation and success in research are a stimulus to colleagues and a growing number of collaborators and have been recognized by major granting agencies in Canada and the United States and by national prizes through the Canadian Association of Pathologists William Boyd Lectureship and the Prix d'Excellence - Claude P. Beaubien of the Alzheimer's Society.

2001 Queen's Prize for Excellence in Research - Dr. David Lillicrap

David Lillicrap was born in Pinner, England and graduated from St. Mary's Hospital Medical School in London in 1975. Several years of House Officer and Residency Training in the UK, Bermuda, and Edmonton preceded his arrival in Kingston in 1980 as a resident in medicine/hematology.

Dr. Alan Giles, an astute judge of talent, quickly had David involved in hemostasis research. After a two year MRC Fellowship in Cardiff investigating the molecular biology of hemophilia David returned to Queen's with an Ontario Ministry of Health Career Scientist Award in 1985.

David's research focus is the molecular genetic investigation of hemostasis related to the interactions amongst factors VIII and IX and von Willebrand Factor, the sources of most bleeding disorders. He has clarified the complex mechanisms that regulate the transcription of the Factor VIII gene and is in the forefront of gene therapy research for hemophilia. Widely recognized as a major international authority in hemophilia, the recipient of the Cecil Harris Award from the Canadian Hemophilia Society, and with competitive and contract research funding now totally over one million dollars annually, David Lillicrap is one of

Canada's best exemplars of a basic science physician and teacher.

For Your Info

Queen's Parking Services is now offering a free parking and shuttle service between West Campus and Main Campus. Effective Tuesday October 9th, a shuttle services will begin moving people between the free parking lots at West Campus to various drop-off and pick-up points around the main campus.

There is no charge to passengers using the shuttle bus and there are no restrictions as to who is eligible to ride the shuttle service - any individual wishing to use this service may do so. Parking in the West Campus gravel parking lots, located by Richardson Stadium, is also available at no charge.

The 24 seat shuttle bus will operate Monday through Friday from 0630 to 0900 and from 1500 to 1730. Passengers will have at most a 20 minute wait for the shuttle bus. The bus route will leave from Richardson Stadium, travel East on Union St. to Arch St., South on Arch St. to Stuart St., West on Stuart St. to Lower Albert St., North on Lower Albert to Queens Cres., East to University St., North on University St. to Union St., West back to Richardson Stadium. The bus will make various stops including in front of Botterell Hall and the Underground Parking Garage.

It is hoped that this service will encourage use of the West Campus parking lots, as an alternative to Main Campus parking. The shuttle service will be operated as a pilot project until 2002 June 30 when it will be determined if there is sufficient interest from faculty, staff and students, to warrant continuation of the service.

Parking in the gravel lots at West Campus is free. For many individuals wishing to incorporate a physical activity component to their workdays, the twenty-minute walk from West Campus to Main Campus is ideal. Walkers, of course, may also elect to use the shuttle at no charge whenever they wish.

For more information about the West Campus Parking and Shuttle Service contact the Queen's Parking Office at Queen's ext. 36979.

SWEP

This program allows faculty and staff to submit proposals for the employment of returning undergraduate students in career-related summer jobs. If you have a project that could benefit from the work of a student, SWEP information and the proposal forms is online at: careers.queensu.ca. Deadline is November 19. For further information contact Liann Joannette, 633-6000 ext. 74044 or e-mail: ldj@post.queensu.ca.

Postgraduate Education

Annual Resident BBQ

The Annual Pathology Resident BBQ and Steak Dinner



Caroline Rowlands
Postgraduate Education Program Director

took place on September 25, 2001. It was a great success, being very well attended, including the full complement of residents and some of their families. Even though inclement weather prevented us from eating outside, it was a delightful evening.

This year's recipient for the Dr. R.S.A. Prentice Award for the Best Resident Presentation was Dr. Jason Sack. This award was very well deserved and eminently

suitable for Jason, in view of his great love of teaching. The Dr. R.S.A. Prentice Award for Excellence in Resident Teaching for Faculty was presented to Dr. Dilys Rapson. There could not have been a better choice, Dr. Rapson is an excellent teacher who puts immense effort into education going well beyond the call of duty in teaching residents, fellows and medical students.

The last presentation was a very special one presented to Dr. William Corbett by Dr. SenGupta on behalf of the Royal College of Physicians and Surgeons of Canada. This was the Royal College 2001 Regional Award for Excellent in Medical Education, a fitting honour to reflect Dr. Corbett's years of dedication.

Overall it was a delightful evening, thoroughly enjoyed by everyone, including some of the much younger generation. It was one of our rare opportunities to socialize with our colleagues.

Grants'N'Such

The Grant supplement will no longer be included in paper form. It will only be available from the website listed below:

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

Publications

L. Hookey, **D. Dexter**, D. Lee. The use and interpretation of quantitative terminology in reporting of red blood cell morphology. *Laboratory Hematology* 7:85-88, 2001.

C. Woolcott, K. Aronson, W. Hanna, **S.K. SenGupta**, D. McCready, E. Sterns and A. Miller. Organochlorines and breast cancer risk by receptor status, tumor size, and grade

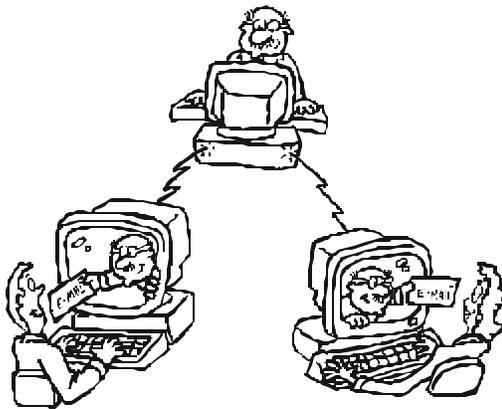
(Canada). *Cancer Causes and Control* 12:395-404, 2001.

R. Barclay, S. Vanner and **D. Hurlbut**. Major hemorrhage from an unusual gastric tumor. *Gastrointestinal Endoscopy* 53(6):628, 2001.

D. Dexter. An issue of priorities: blood banking goes to the dogs. *CSTM Bulletin* 13(3):105-106, 2001.

Richardson Research Seminars
Department of Pathology
Seminar Schedule 2001 - 2002
Tuesdays @ 4:00 p.m.
Richardson Amphitheater,
Richardson Laboratory
 November 13 Dr. Rashmi Kothary
 November 20 Ted Wright, PhD Student

Dr. Dexter's Corner



E-MAILS

A PLEA FOR SANITY

Some time ago Kevin, our computer whiz and assembler of these humble pages, published current and comparative statistics of departmental e-mails. It is a study in logarithmic progression. With each month, the pile grows larger and the hard drives fill. "Oh, I always keep my e-mails" one hears. If one does the math at 30 incoming a day for say 300 days of the year, that is 9000 e-mails.

Surely, they do not rate highly enough in literacy quality or value as to compare to S. Pepys diary for example?

To put in some form of perspective, in 1994 Americans sent 100 million e-mails a day and will next year be sending 1.5 billion a day by current estimates. This obsession with quasi-communication has led companies out of desperation to create e-mail-free Fridays - just to get their staff used to talking to each other again. This whole process reaches the farcical proportions of workers sending e-mails to each other when they sit in adjacent cubicles. In Canada, the average office worker receives 36 e-mails a day. Of those 36 missives, the proportion relevant to the individuals work is miserably thin. Bake sales, lottery draws, chain mail, jokes, barbeque plans, holiday snaps, and the latest funny applet

constitute an unfortunate bulk. It is a bit of a nuisance having work assignments interfering with the maintenance and propagation of a healthy e-mail factory.

It actually worsens as one examines the numbers for managerial positions. The higher the position, the more e-mails - usually in the form of copies. "Are yes - copy Dick anyway, he actually does not need to know about it, but won't he be impressed if he receives the 50 e-mails we had to make to set up that meeting of the three of us. We worked so hard!"

The whole business is not getting better, but much worse. Ten executives in Toronto were asked to track their e-mail for one week. Forty-five percent had no relevance to their work, but required time to sort, handle, and dispose of it. It is not confined to the work day. Obsessives or e-mail addicts are sending mail during the night, the weekends, and while on vacations. It is forcing people to work extra hours just to handle e-mails.

We are becoming buried by it and for no good reason. One respondent to a survey said succinctly, "We have never communicated so much and so little at the same time".

Some thoughtful comments:

- Receipt of an e-mail, read or not, does not infer agreement or acquiescence with the content
- Relevant and important communications may be buried, undetected, ignored, and obscured by sheer numbers
- Big companies hire assistants whose only jobs are to read and forward important e-mail
- The rapidity of communication is directly proportional to the paucity of thought
- Reduce 'all staff' mail outs and, if used, ensure relevancy to the actual work of the organization

In its favour, e-mail is an remarkable tool, both powerful and addictive. It is not, however, "job one" in our organization. Patient care takes that place. Use it frugally, but use it well.

For a recent reference to the impact of e-mails on the workplace, please read the National Post of October 18, 2001 (Financial Post Section FPI and FP4).

THE BUSINESS OF GETTING A JOB

SOME THOUGHTS FOR THE NEW GRADUATE



Success in seeking one's first job as a freshly-trained professional is pretty spotty. Certainly, the current global disarray bodes ill as more and more companies restructure, declare insolvency, or reduce their work force by a high percentage. This results in a glut of experienced and hungry applicants and a particularly high applicant-to-job ratio.

Are there tools for success? If one starts with the ultra-nondiscriminatory applicant form, one is struck by the omissions. No age, no marital status, no sex please, and of course no pictures. But, maybe a disability or two would help.

But, in the rough tough world of Texas, a presidential state times two no less, new trends are emerging. Research has shown that good-looking people get better jobs. The inference is that an applicant might benefit from a week on the farm (health farm that is), or several intense sessions with a beautician. This, of course, deals only with the outer shell and despite best effort, there are some hopeless cases.

For the inner contents, these too would benefit from a little dusting and polishing. More and more companies are turning to psychological assessment of candidates. The screening begins well before a short-list of future employees reaches the selection committee. The primary line of defence is personned by psychologists knowledgeable in the dark arts of Stanford Binets and other psychometric tests. A quote from a recent by-line in the Lancet likens psychologists to bidets. "They add class to an organization but no-one is sure if they are being used correctly."

Introduction of a testing programme is not easy. One size does not fit all. There are, in fact, a huge number of such tests available. The range and intensity of inquisition must be extraordinary. Can an examination of some 70 questions be as valid as one with only four questions? These assessments are now web-based as is the application process. No calls or letters please. We will contact you if we are interested. Not only is the accuracy and interpretation questionable, the data is stored and neither confidentiality nor extension of use is protected. This is uncharted territory subject to no guidelines or regulations. Those most vulnerable are the job seekers.

Applicants for Medical School preselect hyper achievers. Academically topnotch, many have a potpourri of degrees, have work experience in leading hi-tech firms, have volunteered to bring clean water to African villages, all the while kite-boarding or bungee jumping for relaxation. It makes for a rich and striking curriculum vitae.

It may not be enough. A smart suit, a clean haircut (or hairdo), elocution lessons, and a quick course of anti-zit medication may be the edge. An immersion session of JAP (Job Application Psychology) is a must.

So, to the new graduate - good luck out there and oh yes ... have you considered Pathology as a career choice? We need a few good people and no, we do not have any psychologists in the department!

Useful References

Parkinson M. How to master psychometric tests. London: Kogan, Page 2000

Lancet 358:779-780, Sept. 8, 2001

Jobs Available

University of Florida

The University of Florida is recruiting for four positions: 1) "Director of Medical Laboratories", a senior leadership position in the department, with oversight of clinical operations and clinical faculty; 2)

"Anatomic Pathologist", recruited as a senior pathologist; 3) "Surgical Pathologist", may be either a recently-trained or mid-career individual; 4) "Autopsy Director and Forensic Pathologist", constitutes a unique opportunity to serve as an academic forensic pathologist with directorship of medical autopsy unit, service as a forensic pathologist in District 8 of the State of Florida, and be a member of the University of Florida Maples



And we were thinking about putting in a cooking column ourselves...

use windex as it is the only available cleaner I have). Rub down the keys one at a time. After that, to avoid the problem in the first place, avoid getting food or liquids on the keys or your fingers when using the keyboard.

Forensic Center, which encompasses forensic anthropology, forensic toxicology, and forensic pathology. See Barb in Dr. Manley's office for a full description of each position.

University of Calgary

The Faculty of Medicine and the Calgary Health Region are seeking a full-time academic position as Head of the Department of Community Health Sciences, and Director, Centre for Advancement of Health. The Director of the Centre for Advancement of Health, is responsible for regulating the flow of clinical research with the Region, as well as advising the Region's Chief Medical Officer and senior management on matters related to health research. The Region comprises four teaching hospitals situated in the city of Calgary and serves residents of southern Alberta, BC and Sask. Applications and nominations, including a CV, a statement of research interests, administrative philosophy, academic goals and the names of three referees should be forwarded by January 15, 2002 to: Dr. D.G. Gail, Dean, Faculty of Medicine, 3330 Hospital Drive, NW, Calgary, Alberta T2N 4N1.

At the same time it would be a good idea to open up the bottom of your mouse and clean the mouse ball and the ball rollers.

Hardware Upgrades

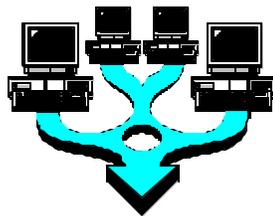
It's that time of year again... we received 10 new computers systems and use them to upgrade 30 additional systems in a hand-me-down fashion. All of the servers were done successfully (with one troubling exception) and in the end, out of the bottom will come the last of our pentium class systems and a few pentium 2 celeron class systems.

Email Traffic: (number of pieces in and out)

October 1995: 3206
 October 1996: 3976
 October 1997: 6332
 October 1998: 9388
 October 1999: 18213
 October 2000: 21806
 October 2001: 31621

The above lists the number of pieces of email in and out, and in general, they are getting bigger as more and more people send more and larger attachments.

Network News



Monthly Cleaning Tips

Got a gross keyboard? Power down your computer system, and spray a cloth or towel with a mild cleaner (I

Pegasus Mail v4.01 Email Tips

The previous version (3.12c) of Pegasus came out on February 24th, 2000 and we were using it shortly after that. It has been extremely stable and has most of the features we have come to expect in an email system.



Pegasus v4 has been under testing for a few weeks and looks very good. The upgrade will come during the month of November.

Some of the new features are:

With more than 2500 changes or fixes, and fifteen months of extensive development, Pegasus Mail v4.0 represents the culmination of a huge reworking of the entire Pegasus Mail system - practically no part of the program's user interface has not been modified and brought up-to-date in some way. The aim of the redevelopment process was to improve the usability, style and appearance of the program without sacrificing any of its proven reliability or personality.

The list of things that have actually changed is enormous, but the most visible highlights are:

- Vastly improved handling of HTML: Pegasus Mail can now display practically all HTML content, and can compose HTML messages containing tables, graphics, hyperlinks and more.
- Preview Pane mode for folders. You can now view your mail folders in a three-pane mode, much like Microsoft Outlook. Switching between preview mode and Pegasus Mail's "Classic" multi-window mode is done at the touch of a button.
- Powerful new message reader window. Pegasus Mail's message reader has been completely overhauled, especially in areas like Attachment handling and Annotations.
- Forwarding of mail has been totally overhauled, especially in the area of forwarding messages with attachments.
- Printing has been totally rewritten: Pegasus Mail can now print messages of arbitrary complexity, and a number of problems with printing in earlier versions have been fixed.

- New mail filtering options: We invented mail filtering in 1991, and now Pegasus Mail's mail filtering has been improved even further, with the ability to filter on message attributes. The filtering rule editor has also been completely overhauled and has a much more logical, consistent interface.

- New "Select" and "Incremental search" options for folders make it vastly easier to find and select messages based on almost any criteria you can imagine.

- Automatic formatting: Pegasus Mail's editor can now correct common typos as you type, and can automatically create hanging indents and bulleted lists for you.

- Security has been tightened even further: although Pegasus Mail can now display HTML messages of almost any level of complexity, it remains immune to all the nasties that plague other mail programs. New content viewer options also protect you from inadvertently running dangerous or malicious files sent to you as attachments.

- Signatures have been completely reworked: you can now have fancy signatures with pictures and formatting in your HTML mail, and you can choose to have your signature included in the message at the time you compose it.

- Addressbooks have been redone with a brand new interface. There's also a new addressing centre, available while you compose your messages, which allows you to access your addressbooks, distribution lists and recently-used addresses all from within a single easy-to-use interface.

- The toolbars in the various windows can now be switched between Graphics-and-text, graphics-only and text-only modes, and support scrolling so you can still get at all the buttons even if you use narrow window sizes.

- The huge range of configuration options offered by Pegasus Mail have been consolidated and presented in a completely new preferences dialog that is much easier to navigate and use.

- Right-clicking a hyperlink in the message reader or preview window now offers a number of useful options for using the contents of that hyperlink.

LISImage

The digital image web site is up and running at <http://lisimage/>. The newest addition to the image database are EMSCANs (with 2 cases and 33 images to date).



Date	#cases	#photos	Total Gb
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2001 Nov 08	1743	6765	6.0
2001 Oct 04	1632	6342	5.1
2001 Sept 12	1529	5988	4.5
2001 August 7	1501	5849	5.4

Laptop #2

A 2nd departmental laptop equipped with CDROM AND ZIP Drive entered service on October 25th. It is booked in the same way as Laptop #1 and is already on the OUTLOOK/EXCHANGE calendar system. Remember to both BOOK (reserve) in advance and then SIGNOUT in the signout book stored with the laptops.

