The National Cancer Institute at Frederick

Poster

Do you know anyone here? Story on page 12.

From the Director's Office

Welcome to issue #1 of *The Poster*, NCI-Frederick's new quarterly newsletter. The NCI-Frederick staff have gone to great lengths to provide you with a very interesting and informative product. This is your newsletter and we look forward to your comments regarding *The Poster*.

As we began to gather information about the NCI-Frederick and its colorful history for this issue of *The Poster*, one thing became very clear to me–this is a great place to work!

What makes the NCI-Frederick such a great place for us to work? For more than 30 years, NCI-Frederick has been an important part of the Frederick community and has played a critical role in America's war on cancer. Since 1970 when President Nixon created the NCI-Frederick (then called the Frederick Cancer Research and Development Center), this facility has contributed significantly to our nation's efforts to fight cancer and AIDS.

The importance of NCI-Frederick to the NIH is best reflected in the more than 200% increase in our budget and near doubling of our staff since 1987. You may not know it, but the NCI-Frederick is the largest biomedical research organization in Frederick County and is also the US Department of Health and Human Services' only Federally-funded Research and Development Center (FFRDC), with a combined annual budget of over $300 million.

The NCI-Frederick is not only a very important part of the NIH, it is also an important part of the Frederick community. With more than 2,700 employees, the NCI-Frederick generates more than $100 million per year for the local economy. But the NCI-Frederick also contributes to our local community in many other ways, including volunteer activities such as the Elementary Outreach and Werner Kirsten Student Intern programs. In addition, the NCI-Frederick staff make substantial contributions to the Combined Federal Campaign and other local charities. Further, many individuals serve as faculty at local colleges and universities.

It's easy to see why the NCI-Frederick is considered by scientists throughout the world to be one of the most important biomedical research facilities anywhere. Such noted scientists as Albert Sabin (Presidential Medal of Freedom), Carlton Gajdusek (Nobel Prize), and George VandeWoude (National Academy of Sciences) have all worked at the Facility. Importantly, the scientific staff here at the NCI-Frederick continues to uphold this tradition of

continued on page 2

JANUARY 2003

In This Issue

NCI Frederick

From the Director's Office

continued from page 1

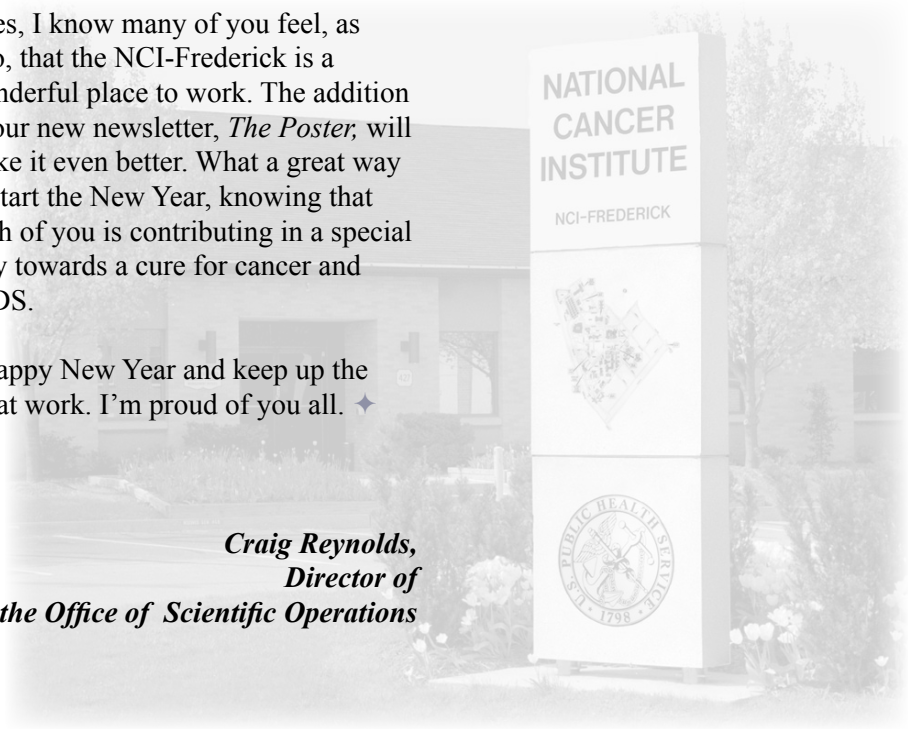
excellence in research by publishing more than 750 papers per year in the world's foremost biomedical journals.

However, I think it is fair to say that what really makes the NCI-Frederick a great place to work is the dedication and quality of all the people who work here–the technicians and fellows; the secretaries and clerks; the engineers, plumbers and electricians; the custodial staff; and all the other talented people who work diligently in support of the NCI-Frederick and its mission.

NCI-Frederick employees–you should all take pride in your excellent work. I hope that you understand how appreciative the nation is of your efforts to help in our fight against cancer and AIDS.

Yes, I know many of you feel, as I do, that the NCI-Frederick is a wonderful place to work. The addition of our new newsletter, *The Poster,* will make it even better. What a great way to start the New Year, knowing that each of you is contributing in a special way towards a cure for cancer and AIDS.

Happy New Year and keep up the great work. I'm proud of you all. ✦



Craig Reynolds,
Director of
the Office of Scientific Operations

Happy New Year!

Following is a list of new year's greetings in various languages. Pick out your favorite, practice saying it, and wish everyone you know a happy new year–even in April!

***Arabic**: Kul 'aam u antum salimoun*

***Chinese**: Chu Shen Tan or Gong Xi Facai*

***Czechoslavakian**: Scastny Novy Rok*

***Dutch**: Gullukkig Niuw Jaar*

***Finnish**: Onnellista Uutta Vuotta*

***French**: Bonne Année*

***German**: Glückliches neues Jahr*

***Greek**: Eftecheezmaenos o Kaenooryos hronos*

***Hebrew**: L'Shannah Tovah Tikatevu*

***Hindi**: Naya Salmubarak*

***Irish (Gaelic)**: Bliain nua fe mhaise dhuit*

***Italian**: Buon Capo d'anno*

***Khmer**: Sua Sdei tfnam tmei*

***Laotian**: Sabai dee pee mai*

***Malaysian**: Selamat hari raya*

***Norwegian**: Glad nytt år*

***Polish**: Szczesliwego Nowego Roku*

***Portuguese**: Feliz Ano Novo*

***Russian**: Novim Godom*

***Swahili**: Habari gani*

***Serbo-Croatian**: Scecna nova godina*

***Spanish**: Feliz Año Nuevo*

***Turkish**: Yeni Yiliniz Kutlu Olsun*

***Vietnamese**: Cung-Chuc Tan-Xuan*

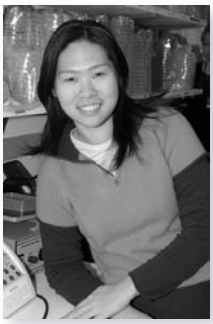
Comings and Goings

NCI-Frederick welcomes the following employees who began work here in October through December:

Wayne Appenzellar, Nole Baichoo, Jason Bangh, Aubrey Banig, Himadri Bhattachanga, Erick Blanco, Elizabeth Buck, Gerald Burge, Sandra Burkett, James Burnett, John Cardellina II, Caroline Chang, Amanda Debes, Angela De Palatis, Andrew Eckert, Erin Fleming, John Freymann, Kathleen Fulmer, Charles Galloway, Denise Gouker, Beth Henndon, Michaela Hernandez, Linda Ingram, Tretyakova Irina, Susan Jessee, Ronald Keilholtz, Edward Kitler, Anthony Lee, Zhi Yu Li, James Lipchock, Beverly Maccarthy, Krajewska Magdelela, Gordon Main, Yafen McLaren, Willoughby Moxley, Beena Neelam, Danielle Needle, Il Ung Oh, Jessica Oliver, Lorene Pregenzer, Phillip Ramsey, Shashikala Ratnayake, Chris Rowe, Marcus Smith, Nicole Smith, Robin Smith, Masoweh Soheilian, Julia Solarczyk, Amber Steele, Sarah Stocks, Agnieszka Szyk, Sasha Tetu, Yanyu Wang, Jessica Zalek, and Heming Zhu. ✦

Marcus Smith

Caroline Chang



Beth Henndon

Kathleen Fulmer

Gordon Main

Jessica Oliver

Chris Rowe

Wayne Appenzellar

Sasha Tetu

Masoweh Soheilian

Yanyu Wang

Just as we've said "hello" to our new employees, so we've said goodbye to some others. We wish all of them well in their future endeavors.

Brad Alger, John Batko, Benjamin Bird, William Bird, Sonia P. Bisaccia, Tatiana Boronina, Janet Brown, Michelle Burke, Sandra Burkett, Pasquale Carzo, Charles Castle, Joseph Chichetti, Hye-Kyung Chung, Kathleen Curry, David Curtis, Sophie Destrau, Ashlee Michael Cosley, Dewees, Jan Drobeniuc, Diane Earp, Susan Ensel, Clarence Fisher, Kenneth Flook, Jeremy Foreman, Kristi Fox, Nancy Frazier, Garrett Funk, Sergey Grivennikov, José R. Hernandez, Leslie Hickman, Meenaxi Hiremath, David Hodge, Jeffrey Hodos, Jill Hood, Jennifer Hopkins, Joan Hopkins, Tyra House, Jia Qiang Huang, Rudy Ippordrino, Mary M. Janyszek, Lauren Jeffries, Ronald Keilholtz, Elena Klyushnenkova, Frank Knapik, Randy Knowlton, Lori Kobayashi, Alexey Korepanov, Sandeep Kumar, Sherry Lafferty, Mark Levanduski, Kevin Lewis, Wen Li, Demitrius Liepins, Sandra Loss, Andrew Makrigiannis, Kevin Masser, Sara Mayer, Karina Meragelman, Wojciech Miltyk, Dan Mioskie, Imbundu Namasaka, Orlando Ortega, Bonnie Osman, Jocelyn Pennella, Paola Perez, Howard Peters, Alfred Roca, Pier Ruffini, Janel Ruths, Mario Sanches, Glen Seidner, Naoko Seki, Carol Shawver, John Sharp, Karen Showalter, Mohammed Siddique, Mike Smiley, Nicole Smith, Catherine Sterner, Michael Stone, William Sutphin, Jenica Tapocik, Suneetha Porkkattil Thomas, Heng Yi Tao, Charles Trubey, Connie Tyser, Laura Waters, Kermit Weedon (deceased), Kenneth Wilkens, Debora Wolfe, Jimmy Yan, De Yang. ✦

Charles River Laboratories (CRL)

Forbes Names CRL Chairman "Entrepreneur of the Year"

Forbes Magazine recently named James C. Foster, Chairman and CEO of ***Charles River Laboratories (CRL)***, as "Entrepreneur of the Year." Mr. Foster was featured on the cover of the annual "Best Small Companies" (Oct. 28) issue and in an accompanying feature story.

According to a recent CRL press release, the company placed 26th in Forbes' annual ranking of the top 200 publicly traded USA companies "with 12-month sales of less than $600 million [based on several criteria] including sales growth, return on equity, and earnings per share."

Mr. Foster attributed CRL's success to the "hard work and dedication of employees at every level of the organization….an organization built on the principles of teamwork and recognition."

CRL is headquartered in Wilmington, Massachusetts, and provides "critical research tools and integrated support services that enable innovative and efficient drug discovery and development…[a] global leader in providing the animal research models required in research and development for new drugs, devices and therapies… a broad and growing portfolio of biomedical products and services that enable customers to reduce cost, increase speed, and enhance productivity and effectiveness in drug discovery and development...[the] customer base spans over 50 countries, and includes all of the major pharmaceutical and biotechnology companies, as well as many leading hospitals and academic institutions. The company operates 76 facilities in 16 countries." ✦

Data Management Services (DMS)

Web Design and Development Services Expanded

Data Management Services (DMS) recently has expanded its high-quality, Web-based solutions to the NCI-Frederick community to include several individuals with commercial Web design and professional Web development experience. Recently completed Web sites include the redesigned NCI-Frederick and the Center for Cancer Research homepages, as well as 2002's Take Your Child to Work Day site.

The ***Computer and Statistical Services' (C&SS)*** Web Design and Development team can assist you with your Web-based project, from conception and design to development, implementation, maintenance, and enhancement. Remember–the quickest way to a professional Web site is to start with qualified Web designers; our skilled professionals are ready today to help you achieve your goals tomorrow.

Changes in Computer Software Training

C&SS' Computer Software Training is now offered year-round, enabling C&SS to offer NCI-Frederick more classes, including new courses and workshops, such as Adobe Acrobat, FilemakerPro, and Microsoft Outlook.

Perhaps the highlight of these new courses is a pre-requisite database class C&SS designed, "Understanding Relational Database Design," as a pre-requisite for all other database classes, including Microsoft Access and FilemakerPro. C&SS developed this customized class after a survey identified the need for a more comprehensive introduction to database classes. Several custom classes were also requested and scheduled for individual areas.

For questions about any of the consultative services, software training, software products, or other information, call x1060.

New Software Available

C&SS, in conjunction with the NIH, recently added EndNote and RefManager to the growing list of software site-licensed for use at NCI-Frederick. Used to find, organize, store, and retrieve bibliographical citations and references, both are popular products and are already in wide use at the NCI-Frederick. They can now be freely obtained from the Computer Service Helpdesk.

The NexTalk application, which allows hearing-impaired persons to communicate using a PC-based TTY system, is also available from the Helpdesk.

Contacting the Computer Service Helpdesk

The Computer Service Helpdesk acts as a single point of contact for computer support, service, information, and assistance to NCI-Frederick. Helpdesk staff are available from 8:00 a.m. to 5:00 p.m., Monday through Friday, at:

- **Web:**
  http://css.ncifcrf.gov/helpdesk
- **Phone:**
  301-846-5115
- **E-mail:**
  helpdesk@css.ncifcrf.gov ✦

SAIC-Frederick, Inc.

The Operations and Technical Support (OTS) Contract

The 2001-2002 fiscal year was one of change as well as continued success for SAIC-Frederick, Inc. For one thing, SAIC was granted a second and more comprehensive five-year Operations and Technical Support Contract with the National Cancer Institute at Frederick (NCI-Frederick), with an option for the NCI to grant a two-year extension; for another, the Frederick campus company was established as a wholly-owned subsidiary, SAIC-Frederick, Inc.

Whether you work for the NCI, Charles Rivers Laboratories (CRL), Data Management Services (DMS), Wilson Information Services Corporation (WISCO), or SAIC-Frederick, Inc., chances are you've heard references to the OTS Contract. But what is it exactly? How does it affect you?

You are affected simply by the fact that you work here, side by side with people from all the other companies under contract to the NCI. Through established and new programs, our partnership with the NCI provides vital support to all of you in our joint mission to cure cancer and AIDS.

The new contract has engendered some changes, as SAIC-Frederick, Inc., has expanded to nine directorates and management committees. Each directorate aligns with at least one major NCI-Frederick Government activity and "represents a unique subset of programmatic and administrative support" for the NCI-Frederick campus, Dr. Larry Arthur, Principal Investigator of the OTS Contract and President for SAIC-Frederick, Inc., said. The directorates interact directly with you, providing that operational and technical support which "is essential to the successful performance of the contract," he added.

The nine directorates include the Research Technology Program (Dr. Joseph Kates, Director); Applied/Developmental Research Support Program (Dr. Michael Baseler); Basic Sciences Program (Dr. Mary Carrington); Biopharmaceutical Development Program (Dr. George Mitra); Laboratory Animal Sciences Program (Dr. Rick Bedigian); Vaccine Clinical Materials Program (Dr. Criss Tarr); Environment, Health, and Safety Program (Dr. Randall Morin); Contracts and Administration (Mr. David Bufter); Facilities Management, Engineering and Planning (Mr. Bill Lonergan).

Dedicated administrative teams support each directorate. The teams are comprehensive, including administrative staff from within that Directorate and representatives from Human Resources, Financial and Administrative Systems, Acquisition and Logistical Services, and Facilities Management, Engineering and Planning. The teams ensure compliance with all applicable Federal, state, and contractual regulations and requirements.

To resolve management, scientific, and administrative issues, management committees have been created. Three committees, each with its own charter, offer opportunities for a diverse and representative cross-section of employees to be involved in contract management.

Directors' Executive Committee

The Directors' Executive Committee (DEC) comprises the nine Program Directors and provides overall contract-level guidance and planning; solicits input from DEC members on important matters related to the overall contract; facilitates the transfer of cross-directorate information; reviews status reports from each of the Directorates; refers specific tasks to the OTS Operating Committee; and identifies important contract matters needing the attention of NCI.

OTS Operating Committee

The OTS Operating Committee establishes and recommends to the DEC for approval, operating policies and procedures that streamline our administrative operations and result in efficient contract performance.

Research Council

The Research Council was established to give SAIC scientists a voice in all activities here at NCI-Frederick. As such this Council provides a forum to advise management on issues important to the accomplishment of the NCI-Frederick research mission.

SAIC-Frederick, Inc., has consistently scored in the "Outstanding" award fee range. In the award fee period for September 26, 2001, through March 25, 2002, SAIC-Frederick, Inc., earned the highest award fee score ever by an OTS contractor in the history of NCI-Frederick.

The score reflects NCI's assessment of the quality, timeliness, and efficiency of the research and support SAIC-Frederick, Inc., and its employees provide. Dr. Arthur believes the score demonstrates the efforts of employees and the pride they have in their work. He stated that "The Directors and staff are highly motivated and are self-starters."

So, the next time you hear the term, "OTS contract," remember that it's helping you help others in the fight against cancer and AIDS. ✦

Wilson Information Services Corporation (WISCO)

About WISCO

Like everyone at NCI-Frederick, library staff adapted to changes in September 2001. One change specifically affected them, though, since the ***Wilson Information Services Corporation (WISCO)*** was awarded the Scientific Library Contract that same month. Within two weeks, everyone completed the transfer process, received new ID cards, signed up for new benefits, and even received new paychecks.

The owner of the newest company in our community isn't a stranger to NCI-Frederick. **Sue Wilson**, president and CEO of WISCO, worked with Litton Bionetics from 1974 to 1978; in all she has worked for 26 years at NCI-Frederick.

After leaving in 1978, Sue moved to Los Angeles and formed a sole-proprietorship library consulting practice, with a client base consisting primarily of small hospitals. Initially, WISCO services included literature searches, library facilities design and building programs creation, core collections set ups, and plans for library staff training and organizational programs for these institutions.

Soon, however, Sue longed for the rolling, green farmland of her native Frederick County and returned to NCI-Frederick as Assistant Director of the Scientific Library.

After her return to Frederick, Sue and her husband, Howard, included other services such as appraising private collections, manuscript proofing, legal and market research, scientific test result illustration, searching for out-of-print books, and retrieving general information for use by the public.

While WISCO has several new opportunities, NCI-Frederick is WISCO's primary concern, and Sue continues in the role she has held since August 1984 as the Library's full-time resident Project Manager. WISCO continues to be a family enterprise with Sue's son, Nate, now Personnel Administrator for the corporate office.

WHO's WHO

At least some things didn't change in September 2001–friendly, familiar faces still greet you when you come in the Library door. WISCO employs 22 people to provide library services to NCI-Frederick, quite an increase from the small staff of four when the Library opened its doors 30 years ago. We'll highlight some of our people in this issue and more in the spring.

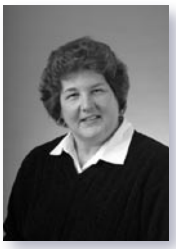
Darlene Clements, who handles our photocopying, has been with the Library longer than any other SciLib staff member; she began working at NCI-Frederick almost 30 years ago.

Ethel Armstrong likes working in the Library so much, she's been driving for an hour to get here every day since August 10, 1982! Even after all that driving, Ethel loves to travel, and has visited every continent but Africa.

Alice Young became our Serials Librarian in 1986; she now works in our Technical Services department part-time. Having graduated from the Marine Corps officers' training camp at Quantico, VA, she almost chose the military instead of the library profession.

Our Systems Librarian, **Steve Jones**, first joined us December 2, 1987, to perform online searches for our chemists in those days when no one had a desktop computer. His work has always involved the sciences, and he still wonders what ever happened to his first class of senior high biology students after they graudated.

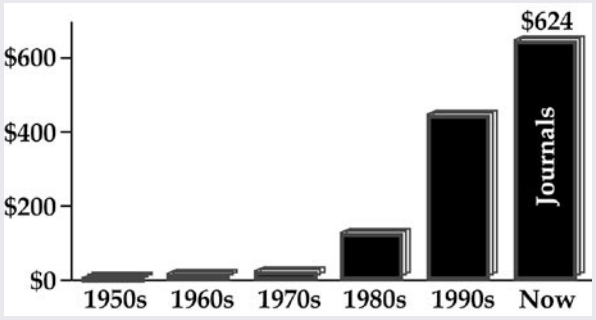
August 8, 1988, is **Robin Meckley's** anniversary date. While working here full-time, she earned her Master's Degree in Library Science from the University of Maryland. Robin still enjoys the classroom, and plans many of the Library's training programs as our Instructional Resources Librarian.



Visit the NCI-Frederick Web site: http://web.ncifcrf.gov/ThePoster to learn more about these helpful WISCO staffers. ✦

Library Trivia

Do you know how much subscriptions to medical journals have changed over the past 50 years?



Reflections on the Evolution of the BDP

[*Editor's Note: Our Science Today editor, Dr. Steven Giardina, SAIC-Frederick, Inc., Biopharmaceutical Development Program, has, among other accomplishments, successfully managed the development of several recombinant immunotoxins for the treatment of B-cell leukemias which have progressed past Phase I clinical trials.*]

Twenty years ago, decoding human chromosome (i.e., the genome) DNA seemed as realistic as Star Trek's Captain Kirk ordering, "Beam me up, Scottie." Yet not only was DNA decoded, it was completed earlier than predicted.

The same molecular biology and computer technology advances responsible for this achievement now focus on the next critical question: "What do all these genes do?"

The production and analysis of the products of these genes are integral to proteomics, a new research area which holds promise for new cancer and disease therapies, more effective prophylactic vaccines, and correction of genetic defects and abnormalities.

However, moving from the "bench" to the marketplace is long and expensive, since identifying a clinically useful biological drug can be arduous and inefficient. Thus, to more efficiently translate new, exciting discoveries into potential new therapies, the National Cancer Institute (NCI) created the Biopharmaceutical Development Program (BDP).

Now operated by SAIC-Frederick, Inc., under the direction of Dr. Gautam Mitra, at its inception the BDP had modest goals. The BDP would emphasize manufacturing a few scientifically worthy candidates in compliance with current Good Manufacturing Practices so the Food and Drug Administration (FDA) would allow the products to be tested, and released for human clinical safety trials at the main Bethesda campus.

Initial success increased demands on resources and personnel, with new, more complex projects needing greater kinds and amounts of material than originally envisioned. Some projects needed additional development to pass the FDA's rigorous scrutiny for product purity and activity. Thus, the BDP quickly evolved from a simple manufacturing facility to a national resource, working with the discovery scientist to develop and manufacture cutting-edge biological drugs.

Where the BDP's predecessor comprised 12 employees, working in a trailer behind the Café/Conference Center, now the BDP includes more than 130 scientists, engineers, technicians, and administrators in 10 buildings. Where once a single laboratory provided purification and assay development, now several do.

The BDP now can produce products in mammalian cells needing 250-liter tanks of media. Bacterial fermentation capacity runs from small shake flasks to a 3,000-gallon fermenter. Products can be purified in a "clean" room that also boasts an automatic vial-filling machine. In addition, the BDP has separate Quality Assurance and Quality Control groups to assess the products' manufacturing process, the facilities, and equipment.

Projects now come from many sources, including university laboratories across the country. Biological entities include natural products, monoclonal antibodies, recombinant proteins, DNA plasmids, viral vaccines, and gene therapy products. The BDP has produced fragments of antibodies with attached toxins; these antibodies show great promise for treating some forms of leukemia and lymphoma. The five-year-old RAID (Rapid Access to Intervention Development) Program continues to identify even more new and exciting therapies. Several products have already advanced to being tested in collaboration with a corporate partner.

Without the NCI and BDP assuming the initial risk of demonstrating the potential benefits of new therapies, many of these molecules might not have been brought to trial. In the past year alone, the BDP has produced 54 lots of material for use in non-clinical studies and for human clinical trials.

In light of recent events, the United States must develop new vaccines against potential biological weapons. Thus, under an interagency agreement between the Departments of Defense and Health and Human Services, the BDP has helped develop a vaccine against Venezuelan Equine Encephalitis virus (VEE) and has produced a clinical lot of VEE vaccine. In addition, a second-generation anthrax vaccine, composed of a highly purified recombinant protein, has been produced for the National Institute of Allergy and Infectious Diseases for evaluation as an alternative to the currently licensed vaccine. The BDP has provided not only its manufacturing capacity to these important projects but also its expertise in product development, quality assurance, and quality control.

The BDP is only one of the NCI-Frederick programs and laboratories engaged in exciting and important research, an effort supported by the many members of our campus community. Future articles will highlight other research efforts and achievements.

Recent Articles:

Coffman JD, et al., Production and purification of a recombinant staphylococcal enterotoxin B vaccine candidate expressed in *Escherichia coli*. *Protein Expr. Purif.* **24**:302-312, 2002.

Fry TJ, et al., IL-7 therapy dramatically alters peripheral T-cell homeostasis in normal and SIV-infected non-human primates. *Blood*, in press.

Giardina SL: Chap. 25: Basic strategies for the purification of recombinant proteins. *Gene Transfer and Expression in Mammalian Cells.* Accepted for publication (Oct. 2002). ✦

Platinum Highlight

Each quarter, *The Poster* lists some of the most relevant recently-published research articles by NCI-Frederick scientists (see "Platinum Publications" on the next page). In addition, we will summarize one that we believe is especially significant. This quarter's highlight article is by **Dr. Arya Biragyn** and colleagues. Dr. Biragyn

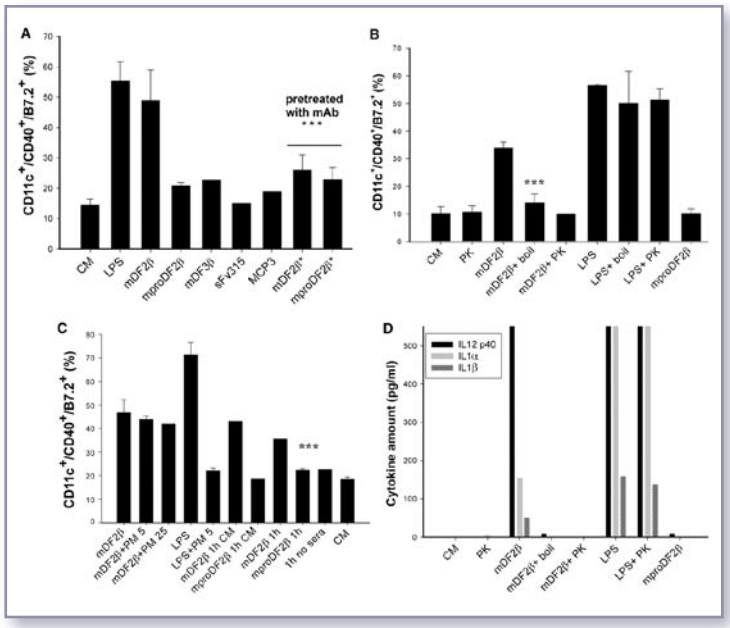
is a staff scientist in the laboratory of Dr. Larry Kwak, principal investigator, Experimental Transplantation and Immunology Branch, NCI. Dr. Kwak has a broad range of scientific and clinical interests, spanning tumor immunology, cancer vaccines, adoptive T-cell therapy, and management of lymphomas and myelomas. He serves as co-chair of the DCS Cancer Vaccine Working Group (nonmelanoma).

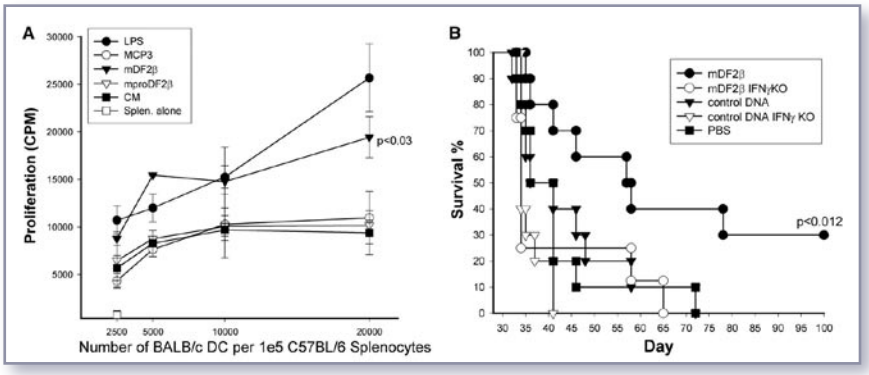
Biragyn A., Ruffini P.A., Leifer C.A., Klyushnenkova E., Shakhov A., Chertov O., Shirakawa A.K., Farber J.M., Segal D.M., Oppenheim J.J., and Kwak L.W.

Toll-like receptor 4-dependent activation of dendritic cells by β-defensin 2

Science **298**(5595):1025-1029, 2002

β-defensins are small antimicrobial peptides of the innate immune system produced in response to microbial infection of mucosal tissue and skin. We demonstrate that murine β-defensin 2 (mDF2β) acts directly on immature dendritic cells as an endogenous ligand for Toll-like receptor 4 (TLR-4), inducing up-regulation of co-stimulatory molecules and dendritic cell maturation. These events, in turn, trigger robust, type 1 polarized adaptive immune responses *in vivo*, suggesting that mDF2β may play an important role in immunosurveillance against pathogens and, possibly, self antigens or tumor antigens.





For the complete article and references, please log on to http://www.sciencemag.org/content/vol298/issue5595/index.shtml

Platinum Publications

The following articles have been selected from a quarterly listing of publications in the top ten science journals.

AIDS Research

DNA vaccines encoding Human Immunodeficiency Virus-1 glycoprotein 120 fusions with proinflammatory chemoattractants induce systemic and mucosal immune responses. Biragyn A, IM Belyakov, YH Chow, DS Dimitrov, JA Berzofsky, LW Kwak. *Blood*, **100**(4): 1153-1159, 2002.

Structures of the complexes of a potent anti-HIV protein cyanovirin-N and high mannose oligosaccharides. Botos I, BR O'Keefe, SR Shenoy, LK Cartner, DM Ratner, PH Seeberger, MR Boyd, A Wlodawer. *J Biol Chem*, **277**(37):34336-34342, 2002.

Direct and indirect contributions of RNA secondary structure elements to the initiation of HIV-1 reverse transcription. Goldschmidt V, M Rigourd, C Ehresmann, SF Le Grice, B Ehresmann, R Marquet. *J Biol Chem*, **277**(45):43233-43242, 2002.

Amino acid deletions are introduced into the V2 region of Gp120 during independent pathogenic Simian Immunodeficiency Virus/HIV chimeric virus (SHIV) infections of Rhesus monkeys generating variants that are macrophage tropic. Imamichi H, T Igarashi, T Imamichi, OK Donau, Y Endo, Y Nishimura, RL Willey, AF Suffredini, HC Lane, MA Martin. *Proc Natl Acad Sci USA*, **99**(21):13813-13818, 2002.

Epistatic interaction between KIR3DS1 and HLA-B delays the progression to AIDS. Martin MP, XJ Gao, JH Lee, GW Nelson, R Detels, JJ Goedert, S Buchbinder, K Hoots, D Vlahov, J Trowsdale, M Wilson, SJ O'Brien, M Carrington. *Nature Genetics*, **4**:429-434, 2002.

Increased peripheral expansion of naive $CD4^{+}$T cells *in vivo* after IL-2 treatment of patients with HIV infection. Natarajan V, RA Lempicki, I Sereti, Y Badralmaa, JW Adelsberger, JA Metcalf, DA Prieto, R Stevens, MW Baseler, JA Kovacs, HC Lane. *Proc Natl Acad Sci USA*, **99**(16): 10712-10717, 2002.

Long-term effects of intermittent Interleukin 2 therapy in patients with HIV infection: Characterization of a novel subset of $CD4^{(+)}/CD25^{(+)}$ T cells. Sereti I, H Martinez-Wilson, JA Metcalf, MW Baseler, CW Hallahan, B Hahn, RL Hengel, RT Davey, JA Kovacs, HC Lane. *Blood*, **100**(6):2159-2167, 2002.

Apoptosis

An ATF2-derived peptide sensitizes melanomas to apoptosis and inhibits their growth and metastasis. Bhoumik A, TG Huang, V Ivanov, L Gangi, RF Qiao, SLC Woo, SH Chen, Z Ronai. *J Clin Invest*, **110**(5):643-650, 2002.

Apo cytochrome C blocks Caspase-9 activation and Bax-induced apoptosis. Martin AG and HO Fearnhead. *J Biol Chem*, October 18 [epub ahead of print] 2002.

Cytokines

Crystal structure of Interleukin-19 defines a new subfamily of helical cytokines. Chang C, E Magracheva, S Kozlov, S Fong, G Tobin, S Kotenko, A Wlodawer, A Zdanov. *J Biol Chem*, October 25 [epub ahead of print] 2002.

Cyclosporin A blocks the expression of lymphotoxin alpha, but not lymphotoxin beta, in human peripheral blood mononuclear cells. Kuprash DV, VE Boitchenko, FO Yarovinsky, NR Rice, A Nordheim, A Ruhlmann, SA Nedospasov. *Blood*, **100**(5):1721-1727, 2002.

Genetics

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Looking Back: Public Health Initiatives

Flu (influenza) shots were given on the last three days of October, with a make-up day on November 13. ***Occupational Health Services (OHS)*** staff traveled to Bethesda and Gaithersburg on November 1 to provide vaccinations to those who support the NCI off-site. As usual, 1,000 doses of flu vaccine were ordered last February; mechanisms are in place to procure more, if needed.

Providing flu vaccinations free of charge to employees, students, and volunteers is only one of the public health initiatives that OHS takes on annually. Other free services in this category include tetanus/diphtheria vaccinations, the travel medicine program, and many wellness initiatives. To schedule an appointment, call x1096 between 9:30 a.m. and 4:30 p.m. ✦

NCI-Frederick Ergonomics

What is ergonomics? Ergonomics is the science of fitting the job to the worker–resulting in greater comfort and less chance for injury to workers as well as a more productive workplace!

How can the ***Environment, Health, and Safety Program (EHS)*** help improve ergonomics in your workplace? The EHS Ergonomics Program seeks to prevent ergonomic injuries (such as carpel tunnel syndrome) through proactive measures, including work-site evaluations, training, consulting, and early intervention programs.

When EHS conducts a work-site evaluation, potential ergonomic hazards in the workplace are identified. As a result of a work-site evaluation, EHS educates employees and supervisors with the goal of enabling each department to practice good ergonomic principles and work habits. EHS also helps departments make site-specific decisions on procuring ergonomic equipment, furniture, and tools.

Check out the links on the Occupational Health Services (OHS) Web page for ergonomic information on workstations, computing, injuries, and publications at http://home.ncifcrf.gov/ohs/ergo.html.

Early intervention is key to preventing ergonomic injuries. If you are experiencing any discomfort or pain at work, please contact OHS at x1096 for medical management. For more information on ergonomics, or to schedule an ergonomic work site evaluation, please contact EHS at x1451. ✦

What do you know about the flu and colds?

True or false? *Answers below.*

1. December is too late to get a flu shot.
2. The shot can give you the flu.
3. Even if I get a flu shot, I can still get the flu.
4. The side effects are worse than the flu.
5. Not everyone can take the flu shot.
6. Only the very old and sick need the flu shot.

Answers:

1. *False*: The flu shot can be given before or during the flu season. While the best time to get a flu shot is October or November, a flu shot in December or later will still protect you against the flu.

2. *False*: Flu vaccines are made from killed influenza viruses. These viruses cannot give you the flu.

3. *Maybe*: This can happen, but the flu shot usually protects most people from the flu. However, the flu shot will not protect you from other viruses that can cause illnesses that sometimes feel like the flu.

4. *False*: The worst side effect you're likely to get is a sore arm. The risk of a rare allergic reaction is far less than the risk of severe complications from influenza.

5. *True*: If you are allergic to eggs (used in making the vaccine); are very ill with a high fever; or have had a severe reaction to the flu vaccine in the past, you might not be able to get this protection.

6. *False*: Both adults and children who are in good health need a flu shot to stay healthy. Even if you aren't at high risk of complications, you should get a flu shot to prevent the flu and to protect everyone you live with and contact.

Visit the NCI-Frederick Web site: http://web.ncifcrf.gov/ThePoster for more flu information.

Did You Know...?

A Blast from the Past

Do you recognize these people? We've identified all but one person. A blast from the past: The [1972?] softball team. Back row, left to right: Kikuo Onozaki, Larry Brown, Rick Stauffer, Jim Lenhart, Roy Walker, Paul Miller, and Robert Wiltrout. Front row: Bill Bond, Gerry Princler, unidentified*, John Ortaldo, Jeff Rossio, Charles Morgan, and Craig Reynolds.* ✦

Campus ATM Machine Now Operational

You can now access the campus Comstar Federal Credit Union Automated Teller Machine (ATM). Located in the vestibule of Building 549, it is available Monday-Friday, 6:30 a.m.-5:00 p.m. The ATM dispenses money in $5, $10, and $20 denominations and accepts Comstar Credit Union ATM cards, major credit cards, and ATM cards on the Alliance One, Cirrus, Plus, and Star systems. ✦

Free Flu Shots

What better time to get zapped with that needle than Halloween? Pictured above is nurse Kitty Nalewaik giving a flu shot as her patient bravely smiles. ✦

Library Staff Retreat

Scientific Library staff recently celebrated their busy first year under the new WISCO contract with a two-day staff retreat at Stone Manor in Middletown. Through brainstorming sessions, lessons on communication theory, exercises in developing mutual respect and trust, the staff focused on strategic planning and team building, furthering their commitment to service excellence, and emerged with a set of 12 new objectives. Shown above, WISCO staff build team spirit through an exercise in mutual trust. ✦

Do you have two forms of photo ID? ✦

Did You Know...?

Find Your Friends on the World Map in the NCI-Frederick Café

To promote a sense of community on the NCI-Frederick campus, the Frederick Employee Diversity Team (F-EDT) recently placed a world map and a sign-in book next to its display case located in the NCI-Frederick Café (Building 549).
Ms. Shannon Bell, chairperson of the F-EDT, said, "We hope each Fort Detrick community member takes the time to at least see the map. It is really impressive to realize that the pins represent people from diverse backgrounds and cultures who live and work in our community that come from all of the wonderful places from around the world." ✦

Thirty Year Celebration Edition

The Poster will publish a special Thirty-Year Celebration edition to commemorate the last 30 years of NCI-Frederick. If you are like many of us, you have a couple of photo albums or a shoebox filled with old pictures and a ton of memories. Share your memories with us by sharing your pictures.

So, grab a cup of coffee, pick out your favorite photos, and bring them to Scientific Publications, Graphics and Media (SPGM), Building 362. We will copy the photographs and return them to you. We'll incorporate as many as possible into the Thirty-Year Celebration edition of *The Poster*.

For further information, call Maritta Grau, SPGM editor, x1055. ✦

Our intrepid photographer recently shot this picture of a snowy NCI-Frederick campus from the roof of Building 535. ✦

Spirit of Support

In the spirit of support for our Ft. Detrick soldiers and their compatriots in the Middle East, SAIC-Frederick, Inc. and the National Cancer Institute have installed a 20 x 12 foot American flag on one of their most prominent structures. ✦

Hands-On Experience for Future Scientists

NCI-Frederick constantly looks for meaningful ways to partner with the Frederick community. One of the most exciting is the Elementary Outreach Program, in which NCI-Frederick scientists, administrators, and support personnel introduce the county's children to science through unique, hands-on experiences.

In a recent interview, Dr. Robert Wiltrout, Associate Director of the NCI-Frederick, called this "a visionary…program," sending our scientists "to teach kids, probably for the first time, about the scientific method and the excitement of scientific discovery."

From One Classroom to Many

Dr. Michael Dean, Chief, Human Genetics Section, Laboratory of Genomic Diversity, Division of Basic Science, NCI, was the originator of this program, begun informally when his son was a student at Frederick's Hillcrest Elementary School. The children's and teachers' enthusiastic response inspired Dr. Dean to continue work with students at Hillcrest, even after his son had finished elementary school.

Dr. Dean with his daughter, the third of his children in the program at Hillcrest Elementary School.

Eventually, at Dr. Dean's request, NCI-Frederick became involved, resulting in a formal partnership with the Frederick County Public School System and signing of an agreement between NCI-Frederick and the Frederick County Public School System on November 9, 1999.

Volunteers Provide Unique Experiences

NCI-Frederick volunteer teams provide children with experiences involving scientific expertise and equipment not normally available within the elementary schools. The lessons complement the school curriculum and are coordinated with school and system administrators.

Making students aware of careers in scientific research and other science-related fields is also an important aspect of the program. Since volunteers are from both administrative and scientific areas, the students usually realize that they do not necessarily have to be "bench" scientists to have careers in science.

By the 1999-2000 school year, a full program was presented at Hillcrest, covering every class for grades 1 through 5; and the volunteer teams also presented their modules to selected classes and grades at several other schools. That first year, the 30 volunteers provided more than 800 hours; two years later, in 2001-2002, the number of volunteers had more than doubled to 68 and volunteer hours to a phenomenal 2,187 (see table below).

	2000-2001	2001-2002
Number of schools	8	18
Number of classes	64	141
Number of students	1586	3300
Number of volunteers	37	68
Number of volunteer hours	1119	2187

Amount of FUN and LEARNING for both students and volunteers:

IMMEASURABLE

Sessions are taught through April or May. Some of the volunteers even take the program, on their own initiative, to their local schools outside of Frederick County or to private schools within the County.

By the end of the 2002-2003 school year, the current 92 volunteers hope to have visited every Frederick County public elementary school at least once since the Program's inception.

Volunteers Schedule Two Days a Year

The Program is refined from year to year, with schedules finalized by the end of October so that each team visits only one school a month. Although volunteers are asked to contribute only two days the entire school year, many volunteer more often once they find out how rewarding the Program is. Since the NCI-Frederick and its four contractors support the Elementary Outreach Program, volunteers do not have to use personal leave to participate; however, participation should not impose on work schedules, and volunteers must have approval from their supervisors.

Kudos from the Classroom

Feedback is always important, whether it's concerning our jobs or some other aspect of our lives. A couple of years ago, the Fifth Grade Team presented a lesson and were concerned that one child might be bored because while he participated, he never spoke. However, at the end of the session, the quiet child was the first to raise his hand. His comment? "This program kicks butt!"

The children's thank-you notes are passed among team members and then maintained in scrapbooks. The children's incredible enthusiasm and imagination make these wonderful notes priceless.

Keep in Touch

An Elementary Outreach Program Web site is being planned to include photographs of the teams in action, some of the thank-you notes, lesson plans, and information about the program.

For additional information regarding the Elementary Outreach Program, please call Barbara Birnman, x1956. You may volunteer electronically: at the NCI-Frederick home page, click on Campus Resources, then on Outreach and Special Programs, which will take you to the Elementary Outreach Program Volunteer Form. Sign up at any time to join one of the teams. ✦

New Year's Celebrations Around the World

Have you just celebrated the new year? Made those new year's resolutions? Although for many of us January 1st marks the start of a new year, for some NCI-Frederick staff, the new year arrives at a different time on the Gregorian calendar.

Chinese New Year

The Chinese New Year, Yuan Tan, is celebrated on the first new moon between January 21 and February 20. Many of Chinese ancestry conduct spectacular New Year processions with dancing "dragons" (symbols of longevity and wealth), and dedicated to bringing everyone good luck, health, happiness, and wealth. Exploding firecrackers startle evil spirits and dispel bad luck. Money, placed in red envelopes with good-luck messages written in gold, is usually given to children in the giver's family.

Islamic New Year

The Islamic New Year marks the end of Ramadan (the fasting month) and is a quiet, religious observance, during which the new moon is noted with special prayers in mosques.

An essential Islamic New Year tradition is recounting the Prophet Muhammad's and his followers' eight-day flight and migration from Mecca to Yathrib, now known as Medina (a contraction of Medinat al-Nabi, or City of the Prophet), 200 miles north of Mecca to evade persecution. Muslims call this migration in 622 c.e. (the Common Era, used by many scholars in place of the Christian-oriented BC/AD) the hijra; it is regarded as the birth of the independent Islamic community. Thus, the Western year of 622 c.e. is the first year of the Islamic calendar.

Jewish New Year

The Jewish New Year, Rosh Hashanah, literally means "head of the year" and commemorates the anniversary of the creation of the world. Based on the Jewish lunisolar calendar established by Hillel II, it is celebrated on the first and second days of the Hebrew month, Tishri, occurring in early fall.

Rosh Hashanah includes numerous ancient traditions, the most important being that, during the 10 days between Rosh Hashanah and the Day of Atonement, or Yom Kippur, Jews account for their behavior during the past year, seek forgiveness from those they may have wronged, and think about how to live a better life. At synagogue services, the shofar, or ram's horn, is blown to signal the beginning of the New Year.

The ceremonial New Year meal includes traditional foods, such as fresh fruits, especially apples and grapes; braided bread, or challah; and honey cakes.

Hindu New Year

India follows the Western Gregorian calendar for government and commercial business, but many Indian festivals are based upon ancient traditions. One such festival is the Hindu New Year, the November festival of Diwali, which signifies the renewal of life and proclaims the approach of winter and is celebrated various ways across the four regions of India and in several countries near India, such as Cambodia, Laos, Sri Lanka, and Thailand.

Japanese New Year

New Year's day, Osho-gatu, is probably the most important holiday in Japan. People return home for a couple of days to celebrate with family, just as Americans do at Christmas. Although this celebration used coincide with the Chinese holiday in February, now New Year's Day is observed January 1st.

In midnight services, many people pray at shrines or temples, where the priest strikes a bell 108 times, based on the belief that the people need to rid themselves of 108 worldly passions from the previous year.

Typical foods for the New Year's day celebration include osechi-ryori, small pieces of cooked beans, vegetables, meat, and seafood; and mochi, a cake of sticky white rice, either baked or put in soup.

Kwanzaa

Not strictly limited to a celebration of the new year, the seven-day, secular Kwanzaa begins on December 26th and ends January 1st. Initiated shortly after the LA/Watts riots of 1966 in the midst of the Black Freedom Movement in the US, Kwanzaa acknowledges the African-American heritage and celebrates family, community, and culture. The name Kwanzaa derived from the phrase matunda ya kwanzaa, meaning "first fruits" in Swahili, the most widely spoken African language. Kwanzaa's colors, black, red and green, are incorporated into traditional African decorations, such as baskets, cloth, art objects, and harvest symbols. In addition, the colors are featured in the central symbol of Kwanzaa, the kinara (candle holder), which supports one black, three red, and three green candles, symbolizing the seven

principles of Kwanzaa: unity, self-determination, collective work and responsibility, cooperative economics, purpose, creativity, and faith.

European New Year Traditions

While traditions vary from country to country in Europe, similarities abound.

For example, in Greece, the new year is celebrated by visiting friends and relatives, exchanging gifts, and delighting in food, drink and music.

Traditional foods symbolic of happiness and wealth include honey, nuts, and fresh fruit; but the most important is vassilopitta, or St. Basil's cake, in which is baked a gold coin. Whoever finds the coin in his or her piece of cake will be lucky for the next year.

January 1st is particularly important to Greeks because it celebrates both New Year's Day and St. Basil's Day. St. Basil was a forefather of the Greek Orthodox Church.

Finally, in ancient Ireland, the Celtic New Year festival known as Samhain represented the harvest and storage of crops for the coming winter. Samhain was celebrated at the end of October; the festival has survived as Halloween. However, many who follow Wicca continue to observe Samhain (also called Ancestor Night) on October 31 as their spiritual New Year.

Did we miss you?
If so, please let us know how you celebrate the New Year. We'll add details or correct errors on the NCI-Frederick Web site: http://web.ncifcrf.gov/ThePoster. ✦

Diversity Café—Exploring Diversity through Cinema

The ***Frederick Employee Diversity Team (F-EDT)***, in conjunction with the SCILIB Theater, sponsors free noontime movies in the Building 549 Auditorium. Paul Miller, who runs this program for the F-EDT, explained the seven-month-old program: "Our motto, 'Exploring Diversity through Cinema,' I think, captures the intent of this effort. Movies can be a powerful mechanism to gain a glimpse into how individuals from other worlds and cultures cope with their changing worlds. Certain themes, such as fear, love, hope, self-doubt, and self-discovery, are universal and cross cultural and language barriers. Also, the role of interpersonal relationships, particularly the ways families from different cultures relate to and support each other, offers an important lesson."

Movies in this series have run the gamut from comedy to drama and include *Glory*, *Avalon*, *Gorillas in the Mist*, *The Matchmaker*, *Crossing Delancey*, *Remember the Titans*, and *Monsoon Wedding*. The Café often features a film highlighting a selected group. For example, *Glory*, about the 54th Regiment, an all Black unit of the Massachusetts Volunteer Infantry at the Battle of Fort Wagner during the American War Between the States, was shown during African American History Month; *Gorillas in the Mist*, based on the autobiographical 1983 book by naturalist Dian Fossey, was shown to celebrate Women's History Month. In addition to the movies shown, the Library also provides a list of books and other reading material related to each month's movie topic.

"Our goal is to promote understanding through discussion and discovery. We hope that we can get an individual to spend the lunch hour watching a free movie and think. 'My family might enjoy this.' If this person watches it with his or her family and that leads to a conversation around the dinner table, then I would consider the program a success," said Mr. Miller.

Movies are shown free in their entirety on two consecutive days, usually the last Mondays and Tuesdays of the month, and are open to all Fort Detrick employees. Eating is permitted in the Building 549 Auditorium.

The F-EDT is always on the lookout for movies that might appeal to the NCI-Frederick community, so if you have a movie to recommend, e-mail your suggestion to Paul Miller, millerp@ncifcrf.gov. Movies should be appropriate for viewing in the work place and no longer than two hours. ✦

Display Case Features Monthly Exhibits

The F-EDT display case in the Building 549 Café provides intriguing exhibits that change every 4-8 weeks; the exhibits display artifacts and information about a region of the USA, different countries, and cultures. For example, to celebrate the recent December holiday season, more than 20 dolls from several different cultures were on display.

The February 2003 display will highlight Black History Month, featuring memorabilia that show the roles Blacks have played in the military.

The F-EDT encourages everyone to visit the monthly displays and enter the drawings for free items such as movie tickets and food. ✦

Facilities Management, Engineering, and Planning

People, Progress & Plans

The new fiscal year is one of change for much of SAIC-Frederick, Inc., including the former Facilities Maintenance and Engineering, now known as ***Facilities Management, Engineering, and Planning (FMEP)***. The new name reflects management initiatives to transform FMEP from a reactive maintenance organization into a proactive management and planning directorate. With the FY2003 marking the first anniversary of the customer-focused Directorate Support Teams, FMEP employees are verifying with their customers that FMEP teams continue to meet the research community's needs and are seeking suggestions on ways to further improve service.

People

FMEP has expanded its workforce. Bill Lonergan is the new Director. Gemma Waltz and Craig Robillard joined project management teams, while Jean-Paul Prentice and Kerry Adams are here through a subcontract with Capstone, Inc., for special assignments and to help in the FMEP reorganization. Carol Shearer, previously busy demolishing bio-weapons facilities in the Soviet Union for Bechtel, leads the dismantlement of Building 470. Other new faces include Dan Rider, Manager of Project Controls, and his co-workers, Brad Beard and Ken Warrick. Another long-term loan from Bechtel is Bruce Ritter, Manager of Engineering. Wayne Appenzeller, a Senior Architect, and Betty Chang, a construction field engineer, will help in the Building 470 dismantlement. Lydia Fine and Christie Taylor joined us in the Administrative section.

With the changes in management and the many new faces, the FMEP Morale Committee held a golf tournament in November. After a morning of fierce competition, the foursome of Mitzi Guarino, Fred Guarino, Mark Fine, and Bob Socks ruled the day.

Mitzi Guarino is Project Manager for the Vaccine Development Facility and was a member of the Partnership for Energy Performance (PEP) team which won a 2002 Presidential Award for Leadership in Federal Energy Management.

Work Progress Highlights

FME completed a highly productive second half of FY 2002, as shown in the following table.

Activity	Number	Dollar Value
Major Renovations Completed	190	$6,000,000
Trouble Calls Answered	4966	$3,800,00
Special Requests Answered	1702	$468,000

FMEP Engineering and Shops responded quickly to resolve a crisis with the permanent failure of the Building 560 autoclave. Within days, the shops removed the defective autoclave, while Engineering simultaneously completed placement and utility hook-up for a new unit, requiring both new steam and power lines. The new autoclave began operating August 29, one day before the date promised to NCI.

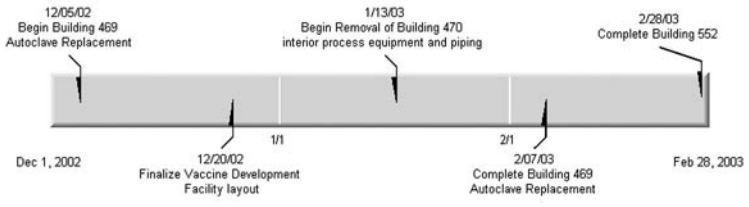
Other major highlights for FMEP included:

- The completion in two weeks of a new clean room for Lab 301, Building 472.
- An offsite, vacant warehouse selected for the new Clinical Materials Program. Completion is anticipated within the first quarter of calendar year 2004.
- Approval for the dismantling of Building 470, since additional sampling for anthrax showed no evidence of any spores.

3 Month Look-Ahead Plan

Already this winter, snow removal has been necessary. FMEP crews clear sidewalks, steps, and access to building doors, while Fort Detrick crews plow streets and parking lots in accordance with the Fort Detrick Snow Removal Plan. For safety, and to support snow removal efforts, the NCI-Frederick follows the lead of Fort Detrick for snow closings. See the insert elsewhere in this newsletter for information on snow closings.

Construction Overview: the following diagram shows the schedule for current planned major construction activities.



The dismantling of Building 470 will affect parking and traffic flow around Buildings 427, 431, 469, and 470. As the detailed planning is completed, personnel in those facilities will be alerted well before construction begins and provided alternative parking and access. ✦

Poster- Script

Halloween

Costume Contest

PALS Children

Trick-or-Treating

Administrative Resource Center

Meet the NCI-Frederick Administrative Resource Center (ARC) Crew

The ***Administrative Resource Center (ARC)*** is here to help; by taking care of administrative details for you, the "crew" hopes to make your quest in finding the cures for cancer and AIDS a little easier.

If you have a question, please call them at 301-846-5402 (see contact information in the insert). Also, check out *The Poster* at the NCI-Frederick Web site http://web.ncifcrf.gov/ThePoster for further interesting information about the ARC crew.

Front Row (L to R): Dee Crouse, Betsy Brown, Paula Itnyre. Second Row (L to R): Debbie Dixon, Judi Carter, Barbara Belldina, Gretchen Jolles. Third Row (L to R): Deanna Dougherty, Lisa Virts, Teri Cecil, Carolynne Fitzpatrick, Jean McCammon, Beth Cassell, Shannon Bell. Back Row (L to R): Tim Sakemiller, Valerie Turnquist, John Barone, Vanessa Guyton, Lori Holliday, Carrie Jennings. Not pictured: Sandy Cavanaugh and Tanya Sappington.

Gretchen Jolles, *NCI-Frederick ARC Manager*, graduated with a B.A. in political science from American University, joining the National Institutes of Health (NIH) in 1977. Gretchen has worked in administrative positions in both extramural and intramural research programs. Before joining the ARC, she served as the Acting Associate Director for Administrative Management.

John Barone, *Deputy ARC Manager*, also covers a small, although critically important segment of the Basic Research Laboratory (BRL)—the Human Retrovirus Pathogenesis Section, under Dr. Barbara Felber; and the Human Retrovirus Section, under Dr. George Pavlakis. Since October 2002, John also has been providing support to the world-renowned Laboratory of Molecular Immunoregulation (LMI) under the leadership of Dr. Joost Oppenheim.

Administrative Officers

Sondra "Sandy" Cavanaugh is the *Administrative Officer* for the Cancer and Developmental Biology Laboratory (CDBL) and for the Macromolecular Crystallography Laboratory (MCL). Sandy has worked at Fort Detrick for 19 years and has been with the ARC since October 1999.

Teri Cecil is the *Administrative Officer* for the Laboratory of Experimental and Computational Biology (LECB), a lab split between the Frederick and the NIH campuses; the Laboratory of Experimental Immunology (LEI); and the Laboratory of Immunobiology (LIB). From 1970 to 1978 Teri worked with the Metabolism Branch, NCI. In 1978 the National Institute of Allergy and Infectious Diseases (NIAID) opened a BL-3 laboratory at the then-FCRDC and Teri joined that group. She remained with NIAID until she rejoined the NCI in 1990.

Debra "Debbie" Dixon is a busy woman. She is the *Administrative Officer* to the Office of the Director (OD), Center for Cancer Research (CCR) at Frederick; the Office of Scientific Operations, OD, NCI; Management Operations and Support Branch, OD, NCI; three Section Chiefs, six Principal Investigators, and one Scholar within the BRL.

Lori Holliday, the *Administrative Officer* for the HIV DRP since October 1998, has been an Administrative Officer for seven years. Before that, she was a Personnel Management Specialist. Lori has been with NCI for 12 years.

Carrie Jennings is the *Administrative Officer* supporting Dr. Kwak, Dr. Wigginton, and Dr. Stanyon. She also handles the CCR's space and renovations issues, takes care of the summary of budget and costs for CCR,

and also handles the SAIC-Frederick, Inc., funding issues.

Jean McCammon is the *Administrative Officer* for LGD under the leadership of Dr. Stephen O'Brien, and LCC, under the leadership of Dr. Larry Keefer. Jean has been working at the NIH for 35 years; 28 of which have been spent working at the NCI.

Timothy "Tim" Sakemiller is the *Administrative Officer* for the Molecular Targets Discovery Program (MTDP) and the Laboratory of Medicinal Chemistry (LMC). He started at NCI in August 1998 as a Presidential Management Intern. During the course of his internship, he completed rotations in the ARCs for the Division of Cancer Prevention (DCP), Division of Cancer Epidemiology and Genetics, and the CCR, NCI-Frederick.

Tanya Sappington is the *Administrative Officer* for the Regulation of Protein Function Laboratory (RPFL) and the Regulation of Cell Growth Laboratory (RCGL). She began work with NCI-Bethesda in March 1998 and came to NCI-Frederick in summer 1999.

Valerie Turnquist is the *Administrative Officer* for the Gene Regulation and Chromosome Biology Laboratory (GRCBL) and the Mouse Cancer Genetics Program (MCGP). She began working for NIH in Bethesda, Maryland, in 1986 and joined NCI-Frederick in December 1999.

Lisa Virts is the *Administrative Officer* for the Structural Biophysics Laboratory (SBL) and BRL. The BRL Principal Investigators that Lisa supports include Drs. Sandra Ruscetti, Grace Yeh, Jim Phang, Kevin Lewis and Terry Copeland. She's worked in NCI laboratories since February 10, 1991. Lisa joined the ARC in July 1996 and became an Administrative Officer in May 2000.

Administrative Assistants

Elizabeth "Betsy" Brown is the *Administrative Assistant* for both Lisa Virts and Sandy Cavanaugh in the MCL, CDBL, SBL, and BRL. Betsy has worked for the ARC for seven years.

Judith "Judi" Carter is the *Administrative Assistant* for LGD and LCC. She started working at the NCI in 1987.

Melonie "Beth" Cassell is *Administrative Assistant* to both John Barone and Debbie Dixon in the BRL and the LMI. Beth's thirtieth anniversary of employment at Fort Detrick will be in April 2003. With the government since October 1999, she previously worked for the Basic Research Contract Advanced Bioscience Laboratories (ABL).

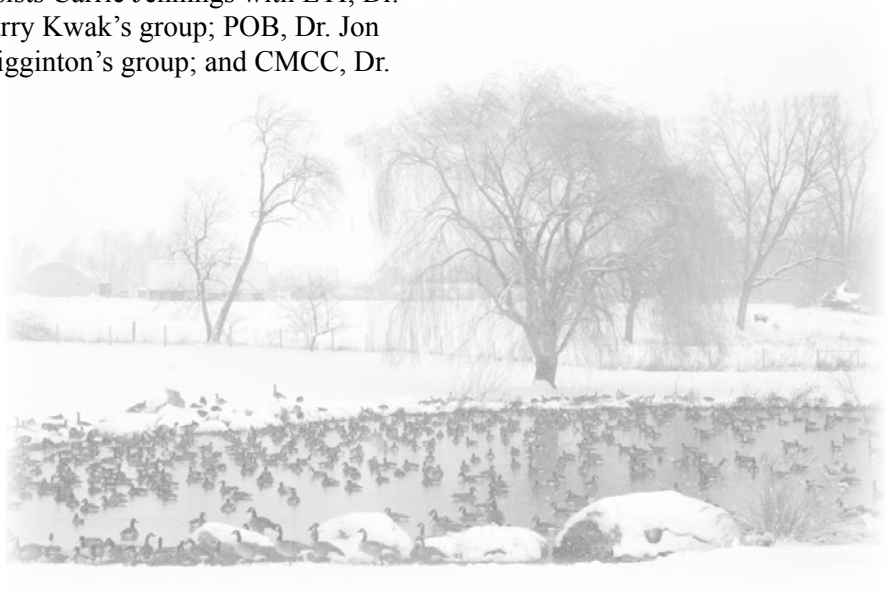
Denise "Dee" Crouse is the *Administrative Assistant* for HIV-DRP, Dr. John Coffin's group. She also assists Carrie Jennings with ETI, Dr. Larry Kwak's group; POB, Dr. Jon Wigginton's group; and CMCC, Dr. Roscoe Stanyon's group. In addition, Dee assists Carrie with budget issues.

Deanna Dougherty is the *Administrative Assistant* for GRCBL and MCGP. She joined the ARC in December 1999 to support the entire ARCbut soon began work with NCI-Frederick's BRL, where she was the Administrative Technician for two years. Now she supports GRCBL and MCGP.

Carolynne Fitzpatrick is the *Office Automation Assistant* for the Frederick ARC (a student position). She has been working with NCI and the government since June 2002.

Vanessa Guyton is the *Administrative Assistant* for both Tim Sakemiller and Tanya Sappington in the RCGL, RPFL, LMC, and MTDP. She has been working with the government for 11 years as of October 20, 2002.

Paula Itnyre is the *Administrative Assistant* for LECB, LEI and LIB. She started her government experience 15 years ago with LEI under Sue Charbonneau and Dr. John Ortaldo in summer 1987; she's been at the NCI since October 1989. ✦



Job Vacancies

Research and Training Opportunities

The following list is a *summary only* of NCI-Frederick job vacancies as we went to press. Please check individual contractors' Web sites for the most up-to-date, detailed information and job requirements.

Postdoctoral Job Vacancies

NATIONAL CANCER INSTITUTE

NCI:

Leukocyte Cell Biology Section, Laboratory of Experimental Immunology: working with Dr. Stephen Anderson on the genetic manipulation of the Ly49 gene cluster. Andersn@mail.ncifcrf.gov.

Viral Recombination Section, HIV Drug Resistance Program: studying the retroviral replication using human immunodeficiency viruses and simple retroviruses with Dr. Wei-Shau Hu. whu@ncifcrf.gov.

Vector Design and Replication Section, HIV Drug Resistance Program: working with Dr. Stephen Hughes on the structure and function of HIV-1 reverse transcriptase with an emphasis on understanding drug resistance; and the development and use of retroviral vectors. Hughes@ncifcrf.gov.

Viral Mutation Section, HIV Drug Resistance Program: defining with Dr. Vinay Pathak structural determinants of reverse transcriptase and other viral proteins that affect the fidelity of viral replications. vpathak@ncifcrf.gov.

Retrovirus Assembly Section, HIV Drug Resistance Program: performing basic research on mechanisms of assembly and RNA recognition during retroviral replication with Dr. Alan Rein. rein@ncifcrf.gov.

Cancer and Developmental Biology Laboratory Group: focusing on the role of FGF and BMP signaling pathway during mouse embryogenesis with an emphasis on brain and limb development, under the supervision of Dr. Mark Lewandoski. mlewandoski@mail.ncifcrf.gov.

Cancer and Developmental Biology Laboratory Group: axis determination and gastrulation in early mouse embryogenesis and gastrointestinal tract development and cancer, under the supervision of Dr. Terry Yamaguchi. tyamaguchi@ncifcrf.gov.

For more listings in postdoctoral opportunities, please visit the Web site at http://www.training.nih.gov/postdoctoral/

SAIC An Employee-Owned Company — SAIC-Frederick, Inc. A Subsidiary of Science Applications International Corporation

SAIC-Frederick, Inc.

Persons interested in applying for these or other positions should do so on the SAIC Web Site: http://saic.ncifcrf.gov

Animal Program Veterinarian, Laboratory Animal Sciences Program: Provides veterinary medical diagnostic, surgical, and treatment services within the animal facilities; compliance with AAALAC-International guidelines; assists with training programs; consults with investigators.
Requisition Number: KMB050649

Clinical Research Associate, Clinical Monitoring Research Program: Provides expertise in NIAID clinical research; oversees design, planning, and implementation; regulatory guidelines in clinical trials; manage/coordinate activities associated with clinical studies; open/close studies, manage clinical site; assist with CROs and field CRAs, reporting of adverse events, patient case report forms, randomization and drug dispensing, and accountability; preparation/production of documents for FDA submission, protocol reports and manuscripts.
Requisition Number: KMB052972

Clinical Research Associate II, Clinical Monitoring Research Program: expertise in NIAID clinical research; sees that clinical trials adhere to regulatory guidelines; open/close studies; manage clinical site and CROs and field CRAs; Assist with design, planning, and implementation of clinical trials, project activities, reporting of adverse/serious adverse events, preparation/production of documents for FDA submission, annual protocol reports, and manuscripts.
Requisition Number: KMB054150

Clinical Research Associate III, Clinical Monitoring Research Program: expertise in NIAID clinical research; see that clinical trials adhere to regulatory guidelines; open/close studies; manage clinical site and CROs and field CRAs; assist with design, planning, and implementation of clinical trials, preparation/production of documents for FDA submission, annual protocol reports, and manuscripts; manage/coordinate clinical studies' project activities, reporting of adverse/serious adverse events; design/produce patient activities; case report forms; monitor clinical trials, randomization and drug

Job Vacancies

dispensing, and accountability; interact with internal and external personnel to facilitate project timelines. Oversee CRO activities, such as investigator meetings, study initiation, ongoing monitoring, and close-out visits. Assist in preparation/production of documents for FDA submission, as well as annual protocol reports and manuscripts.
Requisition Number: KMB054153

Designer II, FMEP: Project and Engineering–new and renovation work; field surveys and meetings with customers. Develop moderately complex designs of engineering systems, facility arrangements and equipment; prepare detailed diagrams, CAD drawings; check others' drawings and designs for accuracy, presentation, and compliance. Assign, review, check, inspect and monitor construction contractors' work.
Requisition Number: KMB052613

Engineer III-Mechanical Engineer, FMEP: Prepare Scope of Work (SOW), engineering designs, plans, calculations, specifications, and support estimates for mechanical systems and equipment. Designs include new and renovation work; meetings with customers; establish a written definition of the customer's requirements (SOW). Prepare mechanical systems and equipment procurement packages, review proposals and prepare bid evaluations. Provide technical guidance to customers, O&M, and design (A/E) and construction contractors. Review, check, inspect and monitor work performed by O&M, and outside A/Es and construction contractors. Perform validation to codes and standards and NIH requirements.
Requisition Number: KMB052226

Physician's Assistant, Vaccine Research Center, NIH-Bethesda: Provide healthcare services, broad range of diagnostic and therapeutic services, primary and secondary specialty care. Administrative/ managerial duties, clinical research. Major responsibility for recruiting study candidates for new vaccine strategies to prevent or mitigate HIV infection, performing initial assessments and coordinating studies on patients volunteering for HIV.
Requisition Number: KMB053316

Senior Nurse Practitioner, Vaccine Research Center, NIH-Bethesda: Perform interviews, health histories, physical examinations and diagnostic tests; independently interpret data to determine needs and problems and plan appropriate therapeutic measures; collaborate with the clinical team; and provide clinical supervision to lower level clinical staff.
Requisition Number: JDC046573

WILSON INFORMATION SERVICES CORPORATION

Wilson Information Services Corporation (WISCO)

Check the WISCO Web site for the latest job openings: http:/www-library@ncifcrf.gov.

Published four times a year by Scientific Publications, Graphics & Media for the National Cancer Institute at Frederick, Frederick, MD 21702.

http://web.ncifcrf.gov/ThePoster

NIH Human Resources

NIH Human Resources Reorganization Affects NCI

[*Editor's note: The information below is based on an article by NIH writer Carla Garnett. The original article appeared in The NIH Record, LIV(21):1, 4, 13.*]

"Partnership" and "corporate image" are terms that we don't often associate with government agencies. However, more and more, the NIH's individual institutes seek out partnerships with other government agencies and with private industry, working together to achieve the NIH mission. To that end, the Department of Health and Human Services has been encouraging its institutes to "partner" with each other and to consolidate where possible so that they can better draw on each other's strengths.

For the past 11 months, approximately 300 human resources (HR) employees at NIH have focused on a challenging goal from Health and Human Services: create a central Office of Human Resources (OHR). This "major, fast-tracked reorganization" means that for National Cancer Institute employees, whether at Frederick, Bethesda, or elsewhere, procedures and routines for all institutes will be handled consistently.

A tremendous effort has gone into the reorganization. After setting goals and holding focus groups, a design team developed a model with three main focuses: "administrative support centers (to handle functions in which efficiency and process are critical), centers of expertise (where specialized knowledge serves the whole community in developing policies, resources, and best practices), and business partnerships (consultative services to address any unique needs of individual [institutes])."

The new, centralized OHR comprises six divisions: information systems, program effectiveness, employment services and benefits, workforce management, employee relations and training, and human resources operations.

Nancy Bagley, a former NCI personnel employee and now a branch chief in the new Division of Human Resources Operations, pointed out that one of "the biggest benefits of the reorganization will be the consistency in interpretation and application of HR policies."

Continuing in the same vein, Chris Steyer, acting deputy director of the new OHR, said that "We hope to be able to draw on our combined strengths and knowledges more. We also will begin to think more corporately, as an NIH rather than just as institutes. For example, recruiting for the 'NIH' rather than 'NCI'…will market NIH…better."

Ms Bagley added that the reorganization "will bring NIH closer to achieving its mission by further developing our corporate image, which will help us in recruiting and retaining the best talent through our outreach efforts. We will be able to…share past successes and invent new approaches to recruiting and retaining the elite NIH scientific and administrative staff."

In a final word, NIH Acting Director for Human Resources, Fred Walker, noted that a former supervisor had once told him, "We derive tremendous benefit from our participation in a great humanitarian mission. We must not lose sight of why we are here and the contributions that we all make to further the NIH mission." ✦

The National Cancer Institute at Frederick
Poster
Frederick, MD 21702-1201

FYI

National Cancer Institute at Frederick

Directory of ARC-supported Laboratories

Post this list and use it as a resource to keep track of the laboratories that your NCI-Frederick ARC supports.

Acronym	Official Title
BRL	Basic Research Laboratory
CDBL	Cancer and Developmental Biology Laboratory
GRCBL	Gene Regulation and Chromosome Biology Laboratory
HIV-DRP	HIV Drug Resistance Program
LCC	Laboratory of Comparative Carcinogenesis
LGD	Laboratory of Genomic Diversity
LECB	Laboratory of Experimental and Computational Biology
LEI	Laboratory of Experimental Immunology
LIB	Laboratory of Immunobiology
LMC	Laboratory of Medicinal Chemistry
LMI	Laboratory of Molecular Immunoregulation
MCGP	Mouse Cancer Genetics Program
MCL	Macromolecular Crystallography Laboratory
MTDP	Molecular Targets Discovery Program
RCGL	Regulation of Cell Growth Laboratory
RPFL	Regulation of Protein Function Laboratory
SBL	Structural Biophysics Laboratory

For any administrative assistance, refer to the NCI-Frederick staff listed below or call our main number at 301-846-5402 and you will be directed to the proper administrative staff member. ✦

Your ARC Crew:

Here to Serve You!

Gretchen Jolles, ARC Manager
X1166; jollesg@dctod.nci.nih.gov
John Barone, Deputy ARC Manager
x5404; JB129W@nih.gov

Administrative Officers

Sandy Cavanaugh, CDBL, MCL
x1538; cavanaug@ncifcrf.gov
Teri Cecil, LECB, CEI, LIB
x5403 tcecil@mail.ncifcrf.gov
Debbie Dixon, OD, CCR-Frederick; Office of Scientific Operations and Management Operations and Support Branch, OD, NCI; BRL
x1422; dixond@mail.ncifcrf.gov
Lori Holliday, HIV Drug Resistance Program
x1414; hollidayl@mail.ncifcrf.gov
Carrie Jennings, ETI, POB, CMCC
x1421; jenningsc@mail.ncifcrf.gov
Jean McCammon, LGD, LCC
x1415 mccammon@mail.ncifcrf.gov
Tim Sakemiller, MTDP, LMC
x5162; sakemilt@mail.ncifcrf.gov
Tanya Sappington, RPFL, RCGL
x1072; sappingtont@ncifcrf.gov
Valerie Turnquist, GRCBL, MCGP
x5011; nicewar@mail.nih.gov
Lisa Virts, SBL, BRL
x5079; virtsl@mail.ncifcrf.gov

Administrative Assistants

Betsy Brown (for Lisa Virts and Sandy Cavanaugh), MCL, CDBL, SBL, and BRL
x1066; embrown@mail.ncifcrf.gov
Judi Carter (for LGD, LCC)
x1413 carterj@mail.ncifcrf.gov
Beth Cassell (for John Barone and Debbie Dixon)
x1737; or cassell@ncifcrf.gov
Dee Crouse (for HIV DRP, ETI, POB, CMCC)
X5546 dcrouse@ncifcrf.gov
Deanna Dougherty (for GRCBL, MCGP)
x5199; dmdoughery@ncifcrf.gov
Carolynne Fitzpatrick, Office Automation Assistant, ARC
x5355; cfitzpatrick@ncifcrf.gov
Vanessa Guyton (for Tim Sakemiller and Tanya Sappington) RCGL, RPFL, LMC, MTDP
x1539; vanessag@mail.ncifcrf.gov
Paula Itnyre (for LECB, LEI, LIB)
x1779; pitnyre@mail.ncifcrf.gov

Weather Advisory

You peer out the bedroom window and see softly falling snow or the gleam of ice. Is the base closed? Here's how to find out. Call the Fort Detrick Telenews (301-619-7611), listen to local radio/television stations, or contact the Frederick News Post Sound Source for information.

Closing or Delayed Opening

Remember: When Fort Detrick is closed, NCI-Frederick is also closed; when Fort Detrick has a delayed opening, NCI-Frederick has a delayed opening. NCI-Frederick does not follow weather closing or delayed opening advisories for the NIH-Bethesda campus or Washington metropolitan area.

Early Dismissal

For early dismissal, NCI-Frederick operates independently of Fort Detrick; therefore, your supervisor will notify you if NCI-Frederick closes during work hours.

Who Ya Gonna Call?

Telephone

Recorded weather line	301-619-7611
Ft. Detrick toll free number	1-800-256-7621, *8, 37611#"
TDD	301-619-2293
Sound Source weather line	301-695-2633, press 3801 (recorded line)

Internet (This will only be used if there is a change in operating hours.)
Fort Detrick's home page: http://detrick.army.mil/. Weather information pops up automatically.

Radio/TV

Frederick, MD
- WAFY FM/103.1
- WFMD AM/930
- WFRE FM/99.9

Hagerstown, MD
- WARK 1490
- WARX 106.9
- WJEJ AM/1240
- WWMD FM/101.5
- WHAG AM/1410
- WQCM FM/96.7
- WHAG TV/Ch. 2

Baltimore, MD
- WBAL AM/1090
- WIYY FM/97.9
- WPOC FM/93.1
- WCAO AM/600
- B104.3 FM/104.3
- WJZ TV/Ch. 13

Thurmont, MD
- WTHU AM/1450

Williamsport, MD
- WCRH FM/90.5

Chambersburg, PA
- WCHA AM/800
- WIKZ FM/95.1

Gettysburg, PA
- WGET AM/1320
- WGTY FM/107.7

Mercersburg, PA
- WSRT FM/104.7

Greencastle, PA
- WHGT AM/1380
- WAYZ FM/104.7

Martinsburg, WV
- WEPM AM/1340
- WLTF 97.5

Charles Town, WV
- WMRE AM/1550
- WXVA FM/98.3

Arlington, VA
- WWVZ FM/103.9
- WWZZ FM/104.1

Washington, DC
- WTOP AM/1500
- WMZQ 1390/98.7
- WRQX FM/107.3

The National Cancer Institute at Frederick

WEB EXTRAS

Poster

Wilson Information Services Corporation (WISCO)

WHO'S WHO AT WISCO— Little Known Facts

In our print issue (Vol. 1, issue 1) of *The Poster*, we promised to tell you more about the WISCO staff. Here are little known facts about the people who help you in so many ways at the Scientific Library.

Darlene Clements was first part of the Purchasing Department, and next assisted the Publications staff, prior to coming to the Library to handle our photocopying. An animal lover, Darlene has several pets, including a turtle which lives in the stream running through her back yard. Woodie is so tame that he comes out whenever she calls him, to take a piece of tomato right from Darlene's hand.

Ethel Armstrong left us temporarily during 1987, but realized she missed the excitement of NCI-Frederick too much and returned within only a few weeks. On her vacations, she searches for something unique to bring home to add to her doll collection. Recently, she has begun to collect miniature shoes and purses as well. Don't get in her way when there's a sale on at Lord and Taylor!

Alice Young worked in such exotic places as Hawaii and Okinawa, Japan, for a number of years.

Our Systems Librarian, **Steve Jones**, has always been interested in what goes on behind the computer screen. These days, when he is not writing a software application, he continues to stay in touch with aquatic algae and phytoplankton by way of kayaking, and probably has navigated every stream in the Western Maryland region, and then some.

August 8, 1988, is **Robin Meckley's** anniversary date. (If she hasn't ever bought a lottery ticket using the number 8888, perhaps she should—it might be a winner.) She loves the movies and has seen every Harrison Ford film that was ever produced. She also has a penchant for Christmas and her collection of Mr. and Mrs. Santa Claus figures has grown to over 300 pairs—that's right, no singles are allowed under her tree.

CHI Health Quiz

Which of the following would cause a consumer to be cautious about a Web site promoting good health care?

A) Information is provided by a government agency or educational institution.

B) The Web site will include a date and it will be current.

C) There will be good music and lots of flashy advertisements.

D) Research citations will be provided where appropriate.

Answer: C) Though good music and lots of flashy advertisements might make an interesting Web site, they do not guarantee good health care information. Look for the names of organizations you recognize as sponsors, such as the American Heart Association or Centers for Disease Control and Prevention. You want the newest information when looking for answers, so beware Web sites last updated more than a few weeks ago.

Is It a Cold or the Flu?

Symptoms	Cold	Flu
Fever	rare in adults and older children, but can be as high as 102° F in infants and small children	usually 102° F, but can go up to 104° F and usually lasts 3 to 4 days
Headache	rare	sudden onset and can be severe
Muscle aches	mild	usual, and often severe
Tiredness and weakness	mild	can last two or more weeks
Extreme exhaustion	never	sudden onset and can be severe
Runny nose	often	sometimes
Sneezing	often	sometimes
Sore throat	often	sometimes
Cough	mild hacking cough	usual, and can become severe

For more information from the CDC, go to:http://www.cdc.gov/nip/Flu/Public.htm or http://www.cdc.gov/nip/Flu/Cold-or-Flu.htm. ✦

Who's Who in the ARC Crew— Little Known Facts

In our print issue (Vol. 1, issue 1) of *The Poster*, we promised to tell you more about the ARC staff.

Gretchen Jolles:
In addition to her workplace skills, Gretchen is also a textile surface designer and weaver. In her spare time, Gretchen enjoys volunteer work for the Frederick Pony Club.

John Barone:
Associated with NCI's clinical and non-clinical basic research programs both in the laboratory and more recently in administration, John has worked at NCI-Frederick nearly 30 years.

John enjoys outdoor activities when he's not at work. He is an avid photographer whose next planned trip with several friends will take him to a privately owned ghost town in Lincoln County, New Mexico. "And no, we are not looking for alien spacecraft wreckage near Roswell," John says.

Debbie Dixon:
After obtaining her A.A. in Business Administration from Frederick Community College, Debbie began working for the NCI in May 1984. She says, "It's hard to believe that I will soon have 19 years of service! It's actually been fun at times!"

In addition to her NCI responsibilities, Debbie is president of the East Frederick Little League, a volunteer with Frederick's Babe Ruth Baseball League, for which her two sons play, and also keeps track of four dogs and a cat. When she can find time for herself, she enjoys going to baseball games, skiing, antique shopping, doing crafts, and playing with her Yorkshire terriers.

Beth Cassell:
Outside of work, Beth hits the race track—NASCAR, that is. "My husband and I are avid NASCAR fans and attend many races each year," Beth says.

Sandy Cavanaugh:
From 1983 to 1999, Sandy worked for ABL. Outside of work, Sandy enjoys spending time with her three grandchildren. She also enjoys gardening and crafting.

Lisa Virts:
What keeps Lisa sane outside of work is spending time with her three-year-old niece, Hannah. "I guess it's my escape from the adult world!" Lisa says.

Betsy Brown:
When she's not at work, Betsy enjoys playtime with her son, 11-month-old Jeremy. "That's all I have time for these days," Betsy says.

Tanya Sappington:
Before working with NCI, Tanya worked at the National Park Service. Tanya is not only an Administrative Officer but also the NCI-Frederick ARC Web site coordinator, NIHITS coordinator and this newsletter's administrative co-chair.

When Tanya is not working, she enjoys reading, seeing movies, traveling, completing crafts, and spending time with family, friends, and her many pets. Tanya has two dogs, two cats, a parrot, and saltwater fish.

Tim Sakemiller:
"I am particularly grateful to Jackie Havens and Mary Lou Carter for giving me my start in DCP and for their mentoring," Tim says. Since the completion of his internship in August 2000 he has served as an Administrative Officer in the Frederick ARC.

In his free time, he and his wife enjoy landscaping and furnishing the new home they recently built in Middletown Valley. The Sakemillers both enjoy taking day trips to local natural and historical sites.

Vanessa Guyton:
When Vanessa is not at work, she enjoys spending time with her husband and two teenage sons. She also enjoys gardening, creating floral designs and crafting.

Teri Cecil:
Teri has a lot of responsibilities in the ARC. She manages the resources of the LECB, LEI, and LIB (personnel, travel, budget, procurement, space, contracts and IAG), negotiating grants with the Army, mentoring administrative lab managers, and special projects. Even while doing all this, Teri finds time to be involved with the Frederick Diversity Team.

To stay sane with all the work, Teri enjoys outside activities such as going to the beach. She also enjoys reading and walking her dogs, Montana and Taylor. A new addition to her family, her grand-puppy, Jeter, keeps her hopping, too. One of Teri's favorite hobbies is to plan social events for her family, friends and neighbors—anything from the Super Bowl to holidays to special occasions.

Paula Itnyre:
Paula previously worked with the National Park Service and then the Department of Energy.

She has remained in the same office throughout various reconstructions and consolidations, providing support for the Laboratory of Genomic Diversity (LGD), the Laboratory of Comparative Carcinogenesis (LCC), the HIV Drug Resistance Program (HIV-DRP),

RCGL, and CDBL.

Paula enjoys seasonal interests, such as skiing and baseball, to remain sane in the workplace. She also enjoys family time.

Lori Holliday:

Before she worked here, Lori was employed with the National Institute of Mental Health.

Congratulations to Lori for recently graduating summa cum laude from the University of Maryland with a BS in Behavioral and Social Sciences.

In her spare time, Lori enjoys reading and gardening.

Dee Crouse:

Dee worked with the former ABL for 19 years and has been working with NCI for the past three years.

Many of you may recognize Dee because she is active in the ERC (Employee Recreation Committee) at NCI-Frederick. You may have stopped by her office for tickets to an event or an amusement park.

Outside of work, Dee enjoys doing things with her family, getting together with family and friends. And she says she goes to amusement parks quite often. She's also the ARC's (and quite possibly NCI's) biggest Elvis Presley fan.

Jean McCammon:

In her free time, Jean loves spending time with family (and she loves being a grandma). She also enjoys skiing.

Judi Carter:

In her free time Judi does stained glass crafts—to remain sane, she says. To see one of her original creations, stop by the ARC office and look above the front desk.

Valerie Turnquist:

When she's not at work, Valerie says she loves spending time with her wonderful husband, her (almost) teenage daughter and her one-year-old triplets. "My mind stays sharp just trying to stay one step ahead of them," Valerie says.

Deanna Dougherty:

Outside work, Deanna likes to spend time with family and friends. She also enjoys going to the gym and horseback riding.

Carrie Jennings:

Carrie started at NIH in 1979 and has been working at NCI-Frederick since 1983, a total of 23 years.

When she's not hard at work dealing with budget issues, Carrie enjoys family time with her two (yes, two) sets of twins.

Carolynne Fitzpatrick:

Carolynne is a commuting senior at Hood College, double-majoring in Communications (Journalism concentration) and Psychology and a minor in Writing. When she graduates in May 2003, she hopes to continue working in her field of journalism.

Carolynne spends much of her free time doing what she loves most—writing. She does freelance articles with area magazines and newspapers and also submits short stories and poetry for publications and contests. She's obsessed with Fiestaware© and collects it in droves, much to her parents' chagrin. ✦