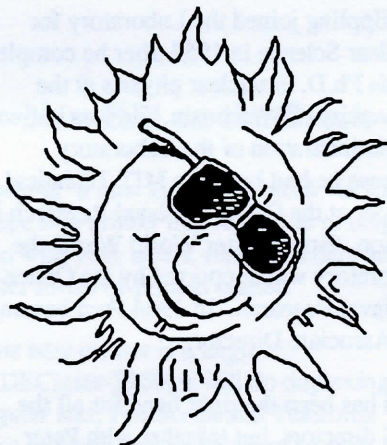


The Pulse

For the Personnel of the Laboratory for Nuclear Science

Volume 1., No. 4
August 1993



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We hear Wedding Bells Again!

This time the bells are ringing for **Louise Morin** of the LNS Fiscal Office. Louise was married on July 10th in Canada.

New Appointments and Promotions

Steven Burnham replaced Emmy Munroe as the Driver/Utility person working with the General Services Group.

Ron Filosa, started on June 21 as a Design Drafter. Ron has been working with the drafting group for the past year through a temporary agency.

Robert Samuels is a Machinist A working in the LNS Machine Shop.

Miltiadis Sarakinos is a Postdoctoral working at CERN with Prof. Becker.

William R. Snow is the new Instrumentation Engineer working at the Bates Laboratory.

Jeffery Wyss is working as a new Postdoctoral at Stanford Linear Accelerator working with the SLD group there.

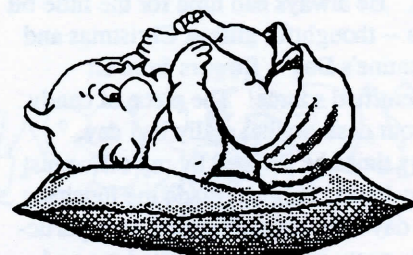
Retirements

Anne Lees, secretary for the Counter Spark Chamber Group, and most recently in the Heavy Ion Group, has decided to retire after working at the Institute for more than 35 years.

Emerson Munroe, the driver/utility person working with General Services, retired on July 31st. Emmy has worked at MIT since 1981.

Congratulations!

Mary Hogan is the proud Grandmother of **Caroline Ann Wells**, 7 lbs. 4 oz. born on July 20th at 6:30 AM.



Physics Questions¹

Is light a wave?

As far as scientists can tell light is a wave. Light can exhibit interference. Unlike other waves light can travel in a vacuum.

Is light a particle?

Light sometimes shows the properties of a particle. The first evidence for this point of view came from Albert Einstein's explanation of the photoelectric effect. The particle that corresponds to light is called a photon.

¹James Trefil, *1001 Things Everyone Should Know About Science*, Doubleday, New York, January 1992.

If you have any ideas and/or suggestions for new features in the *Pulse*, please send them in to Jean Flanagan, 26-540. We are always eager to hear from our readers and would like to know what you want to see in upcoming issues. The *Pulse* is for the employees of the Lab, so let us know what you want!!

From my desk

Emmy -- Kind and Generous

Emmy Munroe retired on Friday, July 30. I was really sorry to see him go, not only for his friendship, but what he gave to all of us on a daily basis especially his kindness. He always had time for the little bit extra -- thoughtful gifts at Christmas and Valentine's Day -- flowers from an unidentified source! The piece of candy on your desk on that really bad day. Many times he stopped by my office just to say hello. He even made me lunch. One day when I was working on a particularly nasty proposal, he called me and

Eppling Steps Aside

Dr. Eppling joined the Laboratory for Nuclear Science in 1953 after he completed his Ph.D. in nuclear physics at the University of Wisconsin. He was known to administration of the Laboratory because he had been the MIT Technical Officer at the Office of Naval Research in Boston. Briefly after World War II the Laboratory was supported by the Office of Naval Research. In 1964 Fred became the Associate Director.

Fred has been the right hand for all the LNS directors, but together with Peter Demos they formed a formidable team that would lead the Laboratory for many years. He has been the person largely responsible for putting together the 100 pounds of budget the Lab produces every year. Fred is the person who established the standards of the Laboratory. He has always held high standards for himself and he has expected those standards from the staff. Fred has always been able to take a stand, share a vision, pursue the future and today with passion and especially tenacity.

Yet Fred has never lost sight of keeping "life" in balance, whether it be the guy on the phone from DOE or one in Geneva. He is a man who talks about his family

had lunch on the table. It was a welcome break after hours of work. But it is not what he gave, it is how he gave it -- quietly, with no fanfare, sometimes anonymously-- and always with kindness, thoughtfulness, generosity, and love.

It is not everyday that we have the opportunity to know someone like Emmy. Someone who would give you the shirt of his back if you liked it. We can all learn a lesson from Emmy.

Emmy is a rare individual who takes the time to care. Emmy you're the best. jpf

with pride and affection. He enjoys good adventure stories, travel, good Scotch, and he runs every morning -- you could set your watch by him -- and yet he is always there when you need him. He can keep a confidence and share a good joke. No job has ever been too small or too large for him and he never gets lost in details but doesn't forget them either.

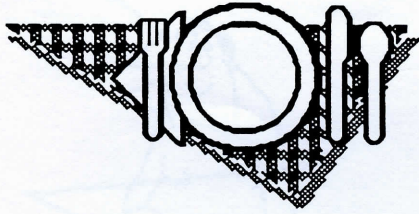
The Laboratory is really going to miss you, Fred. Thanks for all you've given.



Four Teachers Participate In DOE Program

The Lab has four teachers participating in the DOE Teacher Research Associates (TRAC) Program. Two teachers are working at Bates: James M. Gronquist of South Wales, N.Y. and Marianne V. Moran of Methuen, Ma. George Peterson of Haverill, MA is working with the Nuclear Interactions Group and Francis M. Sheets, a teacher with the Department of Defense in Japan, is working at the L3 Experiment in Geneva, Switzerland. The TRAC program is designed to help teachers increase their awareness, knowledge, and understanding of current science and technology for transfer to their students and colleagues.

The teachers are also eligible for TRAC Follow-on Activity Awards. The purpose of these awards is to facilitate transfer of TRAC experience to a broader audience, including students, colleagues, and the science education community at large.



Parents Forum

There will be a Parents Forum Picnic on Sunday August 8th (rain date August 15th) at 4:00 to 6:00 PM at Danehy Park, Sherman Street, Cambridge. Bring your own basket, bring your own blanket. No fires - no alcohol allowed. Games! Prizes! All are welcome. For more information call 617-864-3802.

Parents forum, founded by LNS-er Eve Sullivan, is a parent support group and family celebration program about family life and issues.

LNS Headquarters Update

The LNS Headquarters Office is in the process of updating the MIT Directory. Everyone should have received a blue form to fill out and return. If you have not returned your form or if you have not received a form, please call Donna Henderson, 8-5448.



New Kid on the Block

There is "a new kid on the block" in the shape of a printer that has come to help you with your thesis, reports, letters and other forms of printed matter.

This new printer is a Digital DECLaser-3250, it will do duplexing, regular text, PostScript and Tektronix files in black and white at the rate of approximately 8 pages per minute.

The printing engine is located in Room 26-528, its VMS generic queues are:

26_528_DECLASER_ANSI
for plain text files.

26_528_DECLASER_POST
for PostScript files

26_528_DECLASER_TEK
for Tektronix files.

Its VMS executable queue is called 26_528_DECLASER_PRINTER. It is recommended that you use the generic queues to submit your printable files to avoid jammed printer queue and processing loops at the printer which will need a reset and printer reboot.

Take care to convert .DVI files to PostScript before submitting them to this printer.

Large PostScript files should not be submitted to be printed until the late evening hours.

We do not foresee problems using this printer but if any occur, do not hesitate to send e-mail to SYSTEM or call 253-6066.



Crime Prevention

If you haven't checked lately, there is new information on the LNS Crime Prevention Bulletin Board. Some of these booklets are available through either Earl Haywood or Donna Henderson, others are available to borrow. One especially well-written booklet, "Growing Up Drug Free - A Parents Guide to Prevention" is an excellent book for anyone who has young children. This highly recommended book is for parents as well as children. You will learn quite a bit from this book, so check it out the next time you are in Headquarters or check with Earl at Bates.

by Donna Henderson



Pulse Beats

Lab NonSense Softball

The softball season is in full swing and Lab NonSense, the official LNS softball team, is just getting into mid season form. We started out hot, winning our first two, but then had to deal with the loss of Earl Haywood. Earl, who has been the corner stone of Lab NonSense for years decided to retire from softball for personal reasons. The loss immediately put us into a tailspin, causing the nickname *Lame Numb Skulls* to be used to describe our team. But we have rebounded and hopes are high that we will make the playoffs. Lab NonSense plays every Tuesday at 5:30pm on the athletic fields. Anyone wishing to come and watch will be welcomed. Go Lab NonSenses!

by Larry Ahle



The latest overhead and employee benefit rate for current proposals are 62.0% on and 10.1% off and 41.4% on and 45.0% off respectively for FY93 and FY94.

A seminar was held with the Plasma Fusion Fiscal Office to discuss the feasibility of using an Oracle data base similar to LNS's. The PFC currently employs thirteen people in their fiscal office.

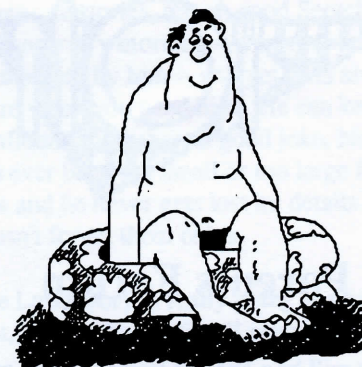
The five year proposal was submitted to the DOE on June 9th for High Energy and Nuclear Physics Programs totaling \$173 million.

Louise Morin attended a DECUS conference with 4,000 other IT professionals acquiring knowledge on products, services, and technologies of Digital Equipment Corp. and related vendors.

Prof Leslie Rosenberg received an Outstanding Junior Investigator Award and Grant from DOE.

Frank Taylor's proposal for measurements and simulations of Muon Backgrounds and Muon Chambers performances for GEM experiments at SSCL was approved by the Texas Commission for one year starting April 1, 1993.

Donna Henderson attended a Newsletter Factory seminar on producing, designing and writing newsletters. This seminar gave specific insights on the do's and don'ts of writing and editing newsletters and supplied her with the tools needed to produce professional looking newsletters.



Eppling Honored

A party for Dr. Frederic Eppling was held on Friday, May 21st at the Faculty Club. He was presented with a gift by Donna Henderson, who wrote a poem for the occasion, and a plaque from the employees of LNS by Jean Flanagan. Short speeches were given by the former LNS Directors and by several other faculty members attending. Dr. Peter Demos was the MC. One of the most touching speeches was given by Prof. Hale Bradt who spoke about being a graduate student in LNS and how Fred Eppling helped him. Provost Mark Wrighton thanked Dr. Eppling for his years of service to the Institute and Dr. Wilnot Hess from U.S. DOE for his service to DOE.

The committee responsible for this event was: Richard Adams, Mark Damian, Peter Demos, Jean Flanagan, Donna Henderson, Robert Redwine and William Turchinetz.

Pulse is a publication of the Laboratory for Nuclear Science for the LNS Community.

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