

# LNS NEWS

Lab. for Nuclear Sci.  
M.I.T.

Vol. 1 No. 2

Cambridge, Ma.

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## PROMOTIONS

Dr. Michael Burns has been promoted to Research Scientist. Dr. Burns has been with the Laboratory since October 1979 and is working with Prof. Deutsch on solar neutrino experiments.

Judith E. Gould of the Purchasing Office has been promoted to Exempt Staff Buyer. Ms. Gould began her employment with the Laboratory in October 1977 and is 1974 graduate of the University of Massachusetts - Boston.

Dr. Robin Verdier has been promoted to Principal Research Scientist. Dr. Verdier is a member of the Counter Spark Chamber group.

Bernard F. Wadsworth is with the Accelerator Physics Collaboration and has been promoted to Principal Research Engineer.

## NEW MEMBERS OF THE LABORATORY'S STAFF

Richard Campbell is an electrical engineering Coop student from Northeastern University, and is working at Bates as a technician.

George W. Dodson has joined the Laboratory from Boston University. Dr. Dodson is working on the parity experiment at Bates.

Marie-Louise Gabbe has transferred from the Dept. of Nutrition and Food Science. She is a senior secretary for Prof. Deutsch and also for the Heavy Ion Group.

Audrey B. Iarocci as joined the Bates secretarial staff as a Receptionist - Secretary.

David Krowitz is a Systems Programmer with the Accelerator Physics Collaboration group. Mr. Krowitz is a 1980 graduate of M.I.T.

John J. LeRose is a researcher who is on leave from Louisiana State University and who is working at Bates on the study of deep inelastic scattering. He has a Visiting Sponsored Research Staff appointment with the Laboratory.

Emerson Munroe has transferred from Physical Plant and has now joined the General Services Group as a Driver-Utility person.

Daniel W. Payne has finished four years in the U.S. Marine Corps and is an electronics technician at Bates.

Raffaele Semensi is a Machinist A in the LNS Machine Shop.

Gail F. Upham is a Northeastern Coop student who expects to receive her B.S. degree in June and is working at Bates as a technician.

Meng-qi Wang has joined the Electromagnetic Interaction Group and is working on an experiment at DESY in Hamburg, Germany.

Geoffrey Watson is an Electronic Technician at Bates, before joining the Bates staff he worked as a Temp at Bates.

E. John Winhold is a Visiting Scientist from R.P.I. Dr. Winhold is working on the Medium Energy Pion Spectrometer at Bates.

Yu-can Zhu has joined the Electromagnetic Interactions Group and is working at DESY in Hamburg, Germany.

Yung-sheng Zhu is a visitor from the People's Republic of China. Mr. Zhu will be at DESY in Hamburg, Germany working on an experiment for the Electromagnetic Interactions Group.

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RETIREMENTS

After almost thirty years of service to M.I.T. Eugene DiFrancesco and Edward Griffith are planning to retire at the end of February. We wish them both good luck and health in the new life. Ed Griffith plans on retiring to New Hampshire.

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Russell Boudreau of the Machine Shop would like to express his thanks to all those in the Lab who were so kind and helpful to him during his recent illness.

Daniel Payne is the father of new twin boys. Brandon and Christopher were born December 21st.

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 Dr. Eppling gave an IAP talk entitled, "The Laboratory for Nuclear Science (LNS) - Its early years and transitions to the Present". Due to popular demand, Dr. Eppling will give another talk on the Lab's history some time during the spring. If you missed Dr. Eppling's talk and would like to hear the second talk, please let the HQ office know 3-2361.

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 Physicists, engineers, graduate students, and a technician from the APC group have been out at Fermilab since November working hard to prepare for the imminent run of experiment E565/570. Pictures are due to start soon.

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 The HEAVY-ION Group is beginning a new series of sub-barrier fusion measurements involving massive nuclei such as  $^{90}\text{Zr}$  (Zirconium) and  $^{120}\text{Sn}$  (Tin). One aspect the group intends to explore is the possibility that large neutron currents flow between nuclei as they come into weak contact. The experiments are being carried out at Brookhaven National Laboratory (BNL) using the MIT-built RMS to identify the one physically meaningful event occurring per  $10^{12}$  background events.

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 The annual FTPA (old 189) budget report has been started. Most of the groups have been very cooperative in turning in their material, and the Headquarter's group is striving to have it finished in March for submission to DOE.

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 After a gracious and delectable holiday display of baked goods, a group of bon vivants on the 5th floor of 26 decided to have a coffee cake bake-off. The winners are:

First Prize - ART SCULLY  
 Second Prize - GEORGE SECHEN  
 Third Prize - JUDY GOULD

All the coffee cakes were delicious and the scores were very close. The next bake-off is breads. Do you have a speciality? We'd be delighted to have you sign up or to stop by the office early some morning for a taste and a chance to vote.

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 A performance review of the Support Staff employees is being conducted at the present time. The reviews are due into the Headquarters Office no later than Wednesday, Feb. 24th. All support staff hired on or before Monday, January 4, 1982 are eligible for this review. The salary adjustment will be reflected in the Wednesday, April 14, 1982 paychecks.

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 Charles Cormier of the Digital Equipment Corporation has written a letter to Tom DeChicco of the Purchasing Office telling Tom what exceptional attitudes and abilities the Purchasing Group has, and special mention was made on how helpful Cheryl Murphy has been in resolving invoicing problems.

The Service Staff and Support Staff employees have received a vacation improvement. It goes like this: employees with 15 or more years of full-time service on or before July 1, 1981 may take an extra week of vacation once during each five year period beginning at 15 years of service, as 15-19, 20-24, 25-29, etc. The following limitations apply: (1) The maximum annual vacation that may be earned under the existing provisions and this improvement is 5 weeks. (2) A five-week vacation may not be earned or taken more than once in any 5-year period. (3) Earned vacation during this five-year period cannot be carried from one five-year period to another. NO, SPONSORED RESEARCH AND EXEMPT STAFF -- IT HASN'T BEEN EXTENDED TO YOU, YET.

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 The Service Staff employees have a new paycheck system. As many of you have noticed there are different time cards and different paycheck stubs. The new system should be an improvement over the old system. The new check stub gives balances on vacation, sick leave, hourly rate, when the individual becomes vacation eligible, etc. The new system will soon be ready for the Support Staff employees, and Student employees. The system seems to be working well and it is a more efficient way of clearing up errors quickly.

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 If you froze at the Holiday Party we had at the Kennedy Library it was because a pipe broke the night we had our party. It is usually not that cold there!

MORE-----

NEW BABIES AT BATES!!!

Jim Grenham has a new daughter, Kristen, Born December 28th. Kristen was 6 lbs. 8 oz.

Jan Distelbrink has a son, Nick Alexander, Born January 28th.

Frank Casali has a son Joseph Francis Born February 10, 1982. His son weighs 8 lbs. and 1 oz.

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 With an itinerary in hand and several artifacts from China and Bhutan, we travelled with Dr. Eppling, who gave us an IAP talk entitled, "Impressions of China and Bhutan". We arrived in Shanghai and then on to Peking. While in Peking we saw many interesting places, among them the Forbidden City, The Temple of the Sleeping Buddha, Sun Yat Sen Park and the Summer Palace. In Kewilin, we saw the River Li and the odd-shaped mountains at the shore line. From China we went on to Bangkok and Calcutta and finally to Bhutan. Only 1500 visitors are admitted to Bhutan each year. The capital is Thimphu. In Thimphu we danced in rich, colorful native customs and watched an archery contest. In Punaka which was the old capital of Bhutan, we viewed the breathtaking Punaka Dzong. When we arrived back in Boston we were not really ready to return to our desks and benches.

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COMPUTER STATUS

All the hardware for the Dual VAX 11/780 has been delivered and partially installed. The twins are now going through the infancy state with many growing pains. Limited use of one CPU is available, hopefully by July 1st we will have a fully developed, bug-free system.

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 If you have some news that you'd like to share with your co-workers, such as interesting research, awards and achievements, or just good news, please send it along to Jean Flanagan, 26-505.

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 PREPARED BY:  
 J.P. FLANAGAN  
 LNS 26-505

PROGRESS ON THE NEW COMPUTER



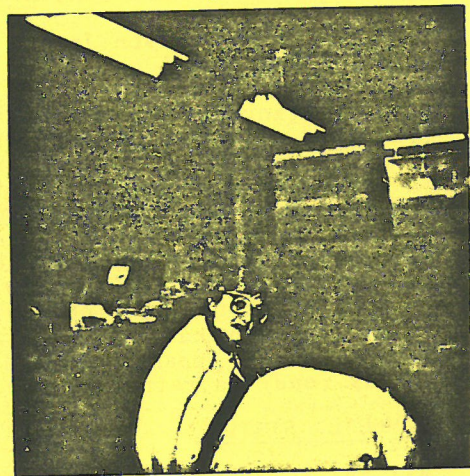
L. Egan looks at new computer



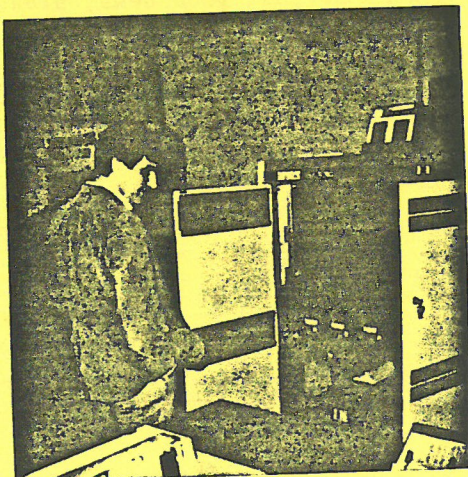
Ed Alvarez looks at equipment



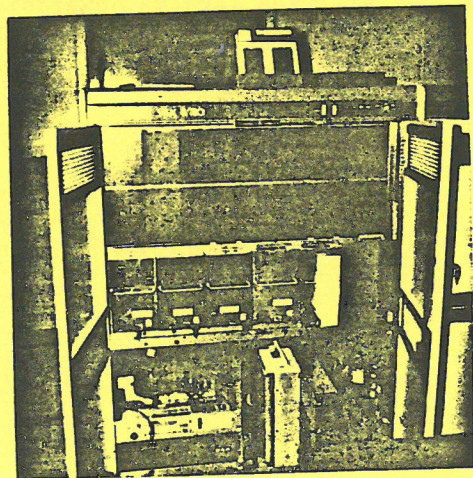
B. Campbell, S. Kowalski, R. Hulsizer and C. Hafen prepare to attend meeting



Anna Verhulst and S. Kowalski go over administrative details.



Tom DeChicco examines the hardware purchases.



The inside of the VAX 11/780