

LNS NEWS

June '82

Vol. 1 No. 3

Lab. for Nuclear Sci.
M.I.T.
Cambridge, Ma.

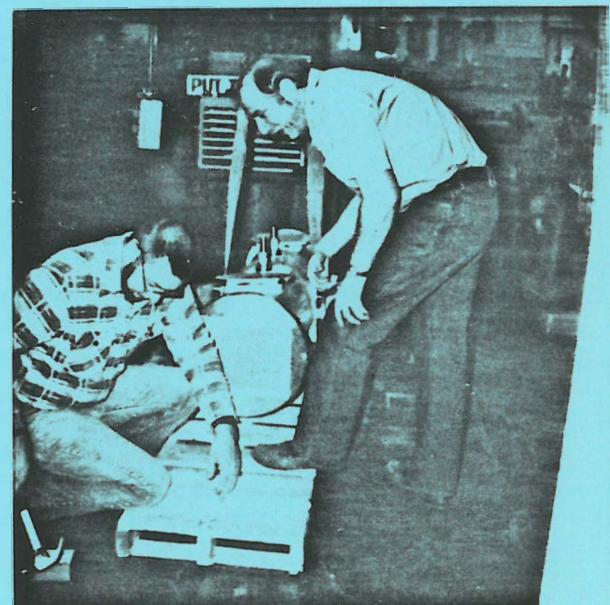
NEWCOMERS:

SUMMER APPOINTMENTS:

- Dr. Henri Orland - Sponsored Research Staff - CTP - Nuclear Physics Research.
- Dr. Ravi P. Sinha - Sponsored Research Staff - CTP - recently received his Ph.D. from M.I.T. under Prof. A.K. Kerman.
- Michael P. Stopa - Sponsored Research Staff - Medium Energy Physics - is doing calculations on the gamma - π experiment for Drs. Bernstein and Donnelly.
- Masaharu Yamazaki - Sponsored Research Staff - with Bates - is a Postdoctoral research fellow from RPI. He is working on the Photo-pion program.

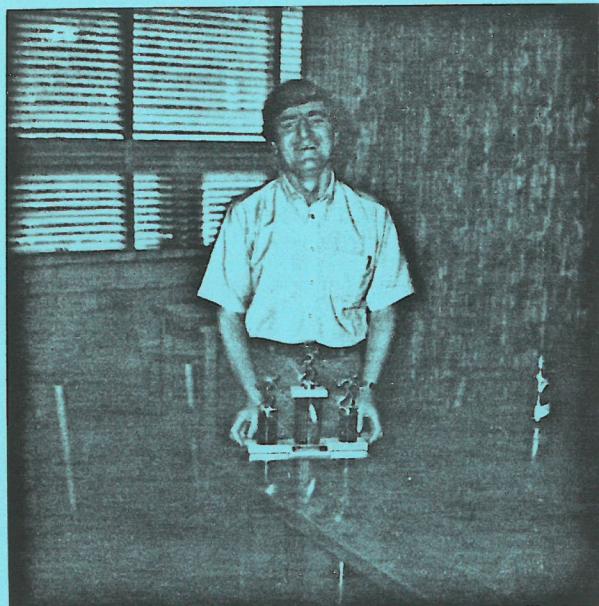
NEW MEMBERS OF THE LAB STAFF:

- Robert B. Clare - Postdoctoral SRS with the EMI group at DESY-PETRA, Hamburg, Germany.
- G. Dale Ross, Jr. - A Senior Technician (Electronics) has transferred to the Counter Spark Chamber group from the Center for Space Research.



Bob Byrda kneeling and Jerry Fiumara standing, are packing the velocity selector for heavy ion fusion studies at Oak Ridge National Laboratory.

SPORTS NEWS:



Tom DeChicco wins three trophies, 200 game, most improved average and highest average.

BOWLING NEWS:

by: Judy Gould

The 1981-82 bowling season was capped off not only with the Second Annual Nuclear Science League Bowling Dinner at the Hilltop Restaurant, but with an equally wild and wonderful celebration at the First Annual Trophy Awards Party. Trophies were granted for First Place Team, High Average 200 Games, and Best Improved Averages. Coldcuts were provided through the kindness of EMIL and BEV DEAGAZIO; and the League Treasury was depleted to furnish beer. Congratulations are in order to all the trophy winners; and especially to TOM DECHICCO, who walked off with three of the coveted little statues!! An award was accepted for LINDA DESMARAIS, whom we have all missed in her absence-hopefully she will be winning First Place Team awards again soon!

The Summer League welcomes new bowlers PATTY and WAYNE RYAN, and wishes everyone good luck with the new system of individual competition. The League has now been

TROPHY WINNERS:



From L to R (front row) Harvey Lander, Tom DeChicco, Kathleen Normile, Beverly DeAgazio, Laura Shapiro (back row) Martin Schulze, Emil DeAgazio, Cliff Peacock.

expanded to six teams; the Summer League has two players per team, and the Winter-Spring League has three per team. An even larger turnout is expected this fall as the League enters its third rowdy and successful year. Cash prizes will be given out for High Single and Most Pins Over Average; and much beer and pizza will continue to be consumed at La Hacienda. Priority is given to LNS employees for League membership, so anyone who is interested in signing up for the fall should contact Cliff or Cheryl or Judy in the LNS Purchasing/Bowling Office.

SOFTBALL NEWS:

The LNS Quarks softball team were behind 10 to 7 in the last inning when LARRY EGAN got up to bat. The bases were loaded - Bill Smith (Campus Patrol) was on first, Cliff Peacock on second, and Pat Pengeroth (Electronics) was on third. LARRY EGAN HIT A GRAND SLAM and the Quarks beat the Ames Street Sluggers 11-10.

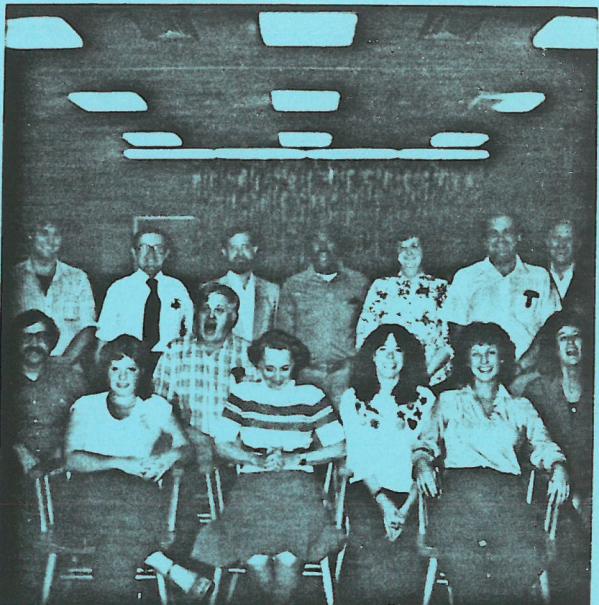
WE UNDERSTAND THAT THE BATES SOFTBALL TEAM IS LOOKING FOR COMPETITION, QUARKS!!!!!!

PARTY NOTES:

On June 18, 1982 there was a retirement party in honor of Betty Campbell. About a hundred co-workers and friends from around the Institute and the Laboratory shared champagne, hors d'oeuvres, and good times with Betty. She was presented with a gold bracelet by Dr. Eppling, a leather-bound guest book to record the names of those attending by Tom DeChicco, and a bouquet of flowers by Larry Egan. Donna Henderson made a lovely corsage of pink tea roses for Betty. Dr. Eppling gave a talk on Betty's many accomplishments over the 40 years of service to M.I.T.

Thanks to all those who helped out with food, B. Bailey, P. Ryan, J. Hudson, A. Verhulst, L. Egan. J. Flanagan, M. Normile, T. DeChicco, R. Hulsizer, and especially Donna Henderson.

CAN YOU GUESS WHO THE MYSTERY MEN ARE?



Bowling League members - L to R
1st row: Cliff Peacock, Kathleen Normile,
Pat Pengeroth, Bev DeAgazio, Laura Shapiro,
Mary Normile, Judy Gould. 2nd row: Martin
Schulze, Harvey Lander, Cliff Hafen,
Charlie Forte, Cheryl Murphy, Bob Calileo,
Emil DeAgazio.

MAY • 70



Judy Gould presents her father with his trophy for the first place team.

SPECIAL NOTICE:

Effective immediately, the new mail address for Bates will be:

BATES LINEAR ACCELERATOR
POST OFFICE BOX 846
MIDDLETON, MASSACHUSETTS 01949-2846

All other address will remain the same, as follows:

Delivery Address:

MANNING ROAD, RTE 62
MIDDLETON, MA 01949

Shuttle Service:

Leaves MIT at 8:15 AM
and 3:30 PM; returns at
10:15 AM and 5:15 PM
Call X3-2364 Rm. 26-541
for shuttle reservations.

Outside telephone lines:

Switchboard - 245-6600
Operations console after 5 PM -
245-6603
Toll call - 774-2370

New medical insurance rates posted

New payroll deductions for health insurance, *per pay period*, effective July 1982:

	Blue Cross/Blue Shield		MIT Health Plan		Harvard Comm. H.P.	
	Present	New	Present	New	Present	New
Faculty & Staff						
Individual	\$18.50	\$19.60	\$ 8.91	\$13.49	\$ 8.66	\$13.79
Family	\$46.00	\$50.50	\$22.48	\$30.47	\$18.23	\$31.57
Exempt Staff						
Individual	\$ 9.26	\$ 9.95	\$ -0-	\$ 3.84	\$ -0-	\$ 4.14
Family	\$23.36	\$25.62	\$ -0-	\$ 5.59	\$ -0-	\$ 6.69
Service Staff* and						
Support Staff						
Individual	\$ 2.14	\$ 2.30	\$ -0-	\$.89	\$ -0-	\$.96
Family	\$ 5.39	\$ 5.91	\$ -0-	\$ 1.29	\$ -0-	\$ 1.54

*Deductions for Campus Patrol will not change at this time.

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Volume 27, Number 1

CONGRATULATIONS TO:

-- Dick Ackerson (Bates Electrical Group) and his wife Kim for the birth of their twins -- a daughter, Bethany Mae and a son, Michael Frederick.

-- John Quattrochi (Bates Radiation Group) and his wife Linda for the birth of their son Douglas.

NEWSWORTHY NOTES:

-- Bates Personnel held a Red Cross Blood Drive in March for the local community. The successful drive included the local Middleton Firefighters and a number of Bates personnel including of course, many Graduate Students.

-- Bernie Wadsworth and Irwin Pless are visiting the Institute of High Energy Physics, in Beijing, PEOPLE'S REPUBLIC OF CHINA to consult with Chinese collaborators on the muon detector construction for the upcoming neutrino experiment at Fermilab.

-- Betsy Hafen will be attending the International Physics Conference in France and the Netherlands, and will be working on the NA22 run at CERN in Geneva, Switzerland.

-- "The Clearing", an oil painting by Dick Adams has been accepted by the Scituate Art Festival, for showing July 29 through August 1st. Dick's son, Keith won first prize for a wood carving of a Canadian Goose which will be shown at the same festival. The wood carving and the painting are judged by a jury of local painters and artists.

-- A poem by Jean Flanagan, titled "The House on Oyster Pond Road" has been accepted for publication in the July issue of the Harbor Review.

-- Jean Hudson, LNS Travel Officer, has received the FLYING COLONEL AWARD from Delta Airlines. This award has been given in recognition of a job well done. The award entitles Jean to VIP service from Delta.

NEWSWORTHY NOTES CONT'D:

--
Bob Fazio of the LNS Machine Shop was married on June 20th. Bob met his wife Carolina right here at M.I.T. She works in Accounting. Bob and his wife took a honeymoon trip to Italy where they visited some relatives in Sicily. The Fazio's will reside in Somerville.

--
Nat Alger is in the Saint Elizabeth's Hospital, 736 Cambridge St., Brighton, MA. if you would like to send her a card.

--
Henry Zufelt, medically retired from the Electrical Group, sends his best to everyone.

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Kay DiStefano (retired LNS HQ Office) made a brief, but pleasant visit to the Central Facilities area. Kay looks wonderful, rested and particularly healthy.

RESEARCH NOTES FROM BATES:

The Bates recirculator is a magnetic transport system and associated tunnel parallel to the present accelerator vault. This system by means of the 400 MeV beam is re-injected into the accelerator at the 20 MeV point yielding a final beam energy of about 725 MeV. In addition to increasing the beam energy, the recirculator is a prototype of a system for a multiple recirculation of the continuous wave accelerator. An electron beam of 621 MeV has been achieved to date.

COOKING NEWS:

The APC group had a brownie bake-off. They charged 50¢ admission to sample the four entries. Each person cast a vote for their favorite. The winner was Lennie Davidson of DEC. He won a gift certificate for the Hilltop Restaurant for his marble brownies.

RESEARCH NEWS:

The APC Group has just finished the data taking phase of an experiment at Fermilab. The experiment is in collaboration with other physicists from the US., France, Israel, Japan, and People's Republic of China. This experiment consisted of shooting 200 GeV pions, kaons, and protons into the liquid hydrogen of the 30" bubble chamber. These reactions will be studied, not only by examining the tracks in the bubble chamber, but also by following the produced particles through the spectrometer downstream of the bubble chamber. The multiplicities and types of particles produced will be determined by the spectrometer which contains proportional wire chambers and drift chambers for momentum measurements, CRYSIS for particle identification, and a lead-glass detector for forward gamma rays. Over a million pictures were taken in the four-month run, yielding 200,000 events, and the analysis will take about three years.

The APC Group also has two other experiments in progress at SLAC to study the production of charmed particles and vector mesons by a 20 GeV polarized photon beam impinging on liquid hydrogen, and the other a search for the tau neutrino, is in the design and construction phase. This experiment is scheduled to begin at Fermilab in late 1984 or early 1985.

LNS Computer Facility

The newVAX computers, Marie and Pierre, are enjoying the comfort of their new home in Building 24. They are now talking to their cousin Max at Bates. Aside from occasional minor hardware problems, the new computers are running smoothly.

IN CLOSING:

Thanks to M. Carter, C. Hafen, R. Hulsizer, W. Lobar, G. Nickerson and M. Normile for sharing news with us.

Thanks to D. Henderson for her typing support.

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