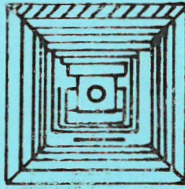


LNS NEWS



September 25, 1981

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

NEW MEMBERS OF THE LABORATORY'S STAFF

Ronald Anderson - from New Zealand, is a visiting Sponsored Research Staff member - CTP. He is an elementary particle physicist and is also studying at the Weston School of Theology.

Amerigo N. Bernardi - is a Scanner in the APC group. Mr. Bernardi is scanning film from recent experimental data taken at Fermilab.

Loriano Bonora - is a visiting Sponsored Research Staff member - CTP. Dr. Bonora is an elementary particle physicist. His area of interest is in quantized gauge theories and super symmetry.

Richard Coviello - is working at Bates as a utility person. Mr. Coviello was working for the City of Malden.

Benjamin Day - is a Visiting Scientist - CTP. Dr. Day is on leave from Argonne National Laboratory where he is a senior scientist.

Eric D'Hoker - Sponsored Research Staff - CTP recently received his Ph.D. from Princeton University. His research area is particle theoretical physics.

Hans Dosch - will be with the Laboratory for the first semester. Prof. Dosch is a Visiting Scientist from the University of Heidelberg. He is a particle physicist.

Edward Farhi - Sponsored Research Staff - CTP. Dr. Farhi recently spent one year working at CERN. His research area is particle physics.

Frank Feinberg - has rejoined the CTP's visiting Sponsored Research Staff. Dr. Feinberg has spent the last few years at Rutgers and SLAC.

Donald Foley - has joined the General Services group as a Utility Person. If you have taken the shuttle to Bates lately you have probably met Don.

Marvin Friedman - is a Visiting Scientist on sabbatical leave from Northeastern University. Prof. Friedman is visiting the CTP.

James Kelly - recently received his Ph.D. from M.I.T. where his thesis supervisor was Prof. Bertozzi. Dr. Kelly is continuing his research work with the Linac group.

Robert Ledoux - Sponsored Research Staff with the Heavy Ion group where his research interest is in nuclear reaction studies. Dr. Ledoux recently received his Ph.D. from M.I.T.

Yutaka Mizobuchi - is a visiting Sponsored Research Staff member - CTP. Dr. Mizobuchi is a member of the research staff of the Hamamatsu Television Co. of Hamamatsu, Japan and Waltham, Ma.

Seoy Oh - Sponsored Research Staff - APC. Dr. Oh recently received his Ph.D. from M.I.T. and will continue his associate with the APC group on experiments at Fermilab.

Kevin O'Keefe - Machinist A in the LNS Machine Shop. Mr. O'Keefe was in the Marines before coming to M.I.T.

Wayne Polyzou - Sponsored Research Staff - CTP. Dr. Polyzou previously had an appointment at Los Alamos and his research area is nuclear theoretical physics.

Giovanni Puddu - is a visiting Sponsored Research Staff member from the Institute of Physics, University of Cagliari, Cagliari, Italy. Dr. Puddu is working in the Center for Theoretical Physics.

Jean-Pierre Revol - has been associated with the EMI group as a graduate student. Dr. Revol will continue his association as a Sponsored Research Staff member at DESY, Hamburg, Germany.

Donna Sears - is a Clerical Assistant in the LNS Purchasing Office. She transferred to LNS from a summer position at the Student Accounts Office.

Polly Slade - is a Support Staff Administrative Assistant with the EMI group.

Thomas Stoughton - Sponsored Research Staff - APC group. Dr. Stoughton has been involved with the APC Group's CRISIS experiment.

Andrew Strominger - Sponsored Research Staff - CTP has recently received his Ph.D. He did his thesis work under the direction of Prof. Roman Jackiw.

Jonathan F. Wallach - is an Applications Programmer with the APC group. He is involved with developing, writing, and debugging the listing of computer programs for real-time analysis of bubble chamber film via PEPR. Mr. Wallach worked in LNS/APC as an MIT student in 1977.

Marion White - Sponsored Research Staff - EMI Group at DESY, Hamburg, Germany. Dr. White received her Ph.D. degree this year from M.I.T., and will continue the research that she started as a graduate student.

John Wiggins - Sponsored Research Staff - Heavy Ion group. Dr. Wiggins previously had an appointment at the Indiana University cyclotron laboratory and his research interest is in gamma-particle coincidence experiments.

SIX NEW GRADUATE STUDENTS

Doug Beck
Betsy Beise
Ed Kinney
Theresa Mozaffar
Asit Sarkar
Paul Ulmer

A NEW COMPUTER FOR THE LABORATORY

The Laboratory has at last received approval from DOE for a new LNS Computer that will replace the 360/65 computer which is fourteen years old. The new computer will be a DEC dual VAX 11/780. The first 11/780 is scheduled to arrive by mid-December of this year and the second during the first quarter of 1982.

DICK ADAMS won a blue ribbon first prize at the Marshfield Fair for one of his most recent oil paintings. There was stiff competition and the judge had a very critical eye!
CONGRATULATIONS DICK.

If you're wondering what happened to ANNA FISHER, she has changed her name back to VERHULST. Anna just recently completed her Associates Degree in Business at Northeastern University.

DAVE KELLY was promoted from Project Technician to Supervisor of the mechanical technicians at Bates.

In the July issue of Omni Magazine there is an article called "The Once and Future Ting" by Bruce Schechter. The article describes Prof. Ting as a "trailblazer through the complex maze of subatomic particles, where energy and matter grow murky and time can stretch or run backward." If you would like to read the article, we have a few copies available in the Headquarters Office.

The ACCELERATOR PHYSICS COLLABORATIVE has begun a 3M dollar collaborative effort with Tohoku University, Sendai, Japan. The group will build a bubble chamber at Fermilab, and the bubble chamber will be used for an experiment that will search for the Tau Neutrino.

LNS HOLIDAY PARTY

A joint LNS/Bates Holiday party will be held on Saturday, DECEMBER 19TH at the John F. Kennedy Presidential Library, Dorchester. The music will be provided by Manual's Black & White and there will be a Buffet Dinner. The price of the tickets will be \$10 per person, which includes the dinner, drinks, and dancing. The party will start at 6:00 p.m. and end at 10:00 p.m. Tickets are on sale NOW and are available at Bates, Headquarters and through various representatives elsewhere around LNS.

BUY YOUR TICKETS EARLY.

A very special thanks to JOHN BAVINEAU, MERLE CARTER, AND BILL LOBAR of Bates for arranging many of the details.

HAVE YOU SEEN THE MOST RECENT MIT HOLIDAY SCHEDULE FOR 1981 AND 1982?

Columbus Day - Monday, Oct. 12
 Veterans Day - Wednesday, Nov. 11
 Thanksgiving Day - Thursday, Nov. 26
 Christmas Day - Friday, Dec. 25
 New Year's Day - Friday, Jan. 1
 Martin Luther King's Birthday - Friday, Jan. 15
 George Washington's Birthday - Monday, Feb. 15
 Patriot's Day - Monday, April 19
 Memorial Day - Monday, May 31

A HOLIDAY WHICH FALLS ON A SUNDAY IS OBSERVED THE FOLLOWING MONDAY. A HOLIDAY WHICH FALLS ON A SATURDAY IS OBSERVED ON THE PREVIOUS FRIDAY UNLESS THE INSTITUTE DESIGNATES ANOTHER DAY AS THE HOLIDAY.

THE LNS BOWLING LEAGUE was formed in the fall of 1980 to combat post-softball-season blues. Response to the concept of a safe, warm, if ego-deflating, winter sport was good. Four teams of four members each were soon competing whole-heartedly for fame, fortune, and weekly \$4 prizes.

The teams were formed after individual averages were established over a four-week period. Handicaps were then assigned to each team in order to equalize all team scores. The handicaps were updated each week as averages fluctuated. The teams compete for a possible four points: one point for most pinfall per string, and one point for total pinfall.

INTERESTED IN JOINING? To sign up, call Cliff at 3-3179 or Cheryl at 3-2394. You need to bowl at least 12 strings in order to establish an average and be placed on team. The Bowling League meets on Wednesdays in the M.I.T. Student Center Basement. The cost is \$3.00 per person weekly. The \$3.00 covers bowling, awards, and a little extra. Last spring, the little extra was used to sponsor the First Annual Nuclear Science Bowling League Dinner. This lavish event was held at the Hilltop Steak House and was followed by an evening of drinking and dancing at the Prince Spaghetti House. Due to the overwhelming success of this venture, similar events are planned for the future.

Thanks to JUDY GOULD for putting together most of this information.

NEW RATE SCHEDULE FOR THE MEDICAL PLANS IS LISTED BELOW:

	BLUE CROSS/BLUE SHIELD	MIT HEALTH PLAN	HARVARD COM. H.P.
FACULTY & STAFF			
INDIVIDUAL	18.50	8.91	8.66
FAMILY	46.00	22.48	18.23
EXEMPT			
INDIVIDUAL	9.26	0	0
FAMILY	23.36	0	0
SUPPORT STAFF			
INDIVIDUAL	4.27	0	0
FAMILY	10.73	0	0

Three Chinese Scholars will join the EMI group and work at the Brookhaven National Laboratory. They are Messrs. Yu-Can Zhu, Yung-Sheng Chu and Meng-qi Wang from the High Energy Institute in Peking.

After twenty-one years at M.I.T., ROGER PIKE is medically retired. There will be a party in his honor on Friday, September 25th at Bates. ROGER is missed by all, and we wish him the best in his retirement.

JIM BYRNES of the Machine Shop is sharing his home with BINGZHE LOU of the People's Republic of China. BINGZHE is trying various types of American food including a New England Boiled dinner, has learned very quickly how to square dance, and has even helped with chores around the house. Dr. Lou is an engineer with the Material Sciences and Engineering Laboratory and comes to M.I.T. from the Shaanxi Mechanical Engineering Institute near Peking. There are approximately 6000 Chinese studying abroad and of that 6000, 3000 are studying in this country. Jim and Bingzhe feel that it has been a very beneficial experience for them to have this cultural exchange and Dr. Lou plans on spending a traditional Thanksgiving and Christmas at the Byrnes' home. If anyone is interested in sharing their home with People's Republic of China visitors please contact Jim on extension 3-2392.

THE LNS QUARKS SOFTBALL TEAM ended their season with a victory. The LNS team was organized 3 seasons ago by BRENDAN COSTELLO. The anything goes, Kentucky Fried Chicken League has no umpires and the players drink plenty of beer and have good times. This year's team was managed by MARIO ALOISI AND MARY NORMILE. The highlight of the season was a 41 TO 1 victory over the Delt Dawgs. Again this year one of the star players was PAT PENEGROTH who hit 3 homeruns.

Over the summer the APC group has tested and finished the CRISIS project. CRISIS is a device which identifies particles in the 5-50 GeV region utilizing 334 channels of drift chambers to sample the ionization along their path and makes possible the identification of charged particles.

IF ANYONE HAS ANY INFORMATION THAT THEY WOULD LIKE TO SHARE WITH THEIR CO-WORKERS, SUCH AS INTERESTING RESEARCH, PERSONAL AWARDS OR ACHIEVEMENTS, OR JUST PLAIN GOOD NEWS, PLEASE SEND IT ALONG TO JEAN FLANAGAN, 26-505.

THIS MONTH ON THE BULLETIN BOARD OUTSIDE OF LNS HEADQUARTERS OFFICE THERE ARE PHOTOGRAPHS THE PARTY FOR EMIL DEAGAZIO AND PHOTOGRAPHS OF THE CONSTRUCTION OF BLDG. 58. NEXT MONTH THERE WILL BE PHOTOGRAPHS OF THE MACHINE SHOP AND OF RECENT WORK THAT THEY HAVE DONE. PLEASE STOP BY AND LOOK.

THANKS TO DOUG NICOLL FOR HIS HELP IN SETTING UP AND DRAWING THE LNS NEWS PAGE.

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