

The Village Courier

 national accelerator laboratory

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PROGRESS ON ACCELERATOR STUDIES - MARCH 6 THROUGH MARCH 11

The extraction apparatus was installed and powered and did not significantly degrade the circulating beam at any energy. At 80 BeV some beam was scattered out and detected several hundred feet downstream.

NAL MEETS THE PRESS

An inside look at the problems of building the world's largest accelerator was given to the Chicago metropolitan press by many of the key members of the NAL staff at a press conference at the Laboratory on March 2nd.

The meeting was led by Robert R. Wilson, NAL Director, who introduced the people who had led various sections of the Laboratory to the achievement of the 200 BeV acceleration on the previous day.

The scientist in the white coat image has not existed at NAL, Dr. Wilson observed. Rather, he pointed out, a typical night shift crew chief might send a crew out in a jeep in a blizzard to fix a power supply two miles away and then wonder if the crew is going to get back. If the mud or the weather close in, "You get in another jeep and go out on the 4-mile ring road to find them." Dr. Wilson thus described some of the hurdles that have been jumped in the past 39 months by the NAL staff.

Norman Ramsey, president of the Universities Research Association of Washington, D. C., the parent governing body of the Laboratory for the Atomic Energy Commission, and professor of physics at Harvard University, urged the group to realize what a great accomplishment the commissioning of the NAL machine represents -- particularly since it comes so far ahead of the schedule contemplated by planners seven or eight years ago.

The components of the accelerator were described by such men as Don Young who, as the second person to join the NAL payroll in May of 1967, first headed the building of the linear accelerator. Young went on to be Associate Head of the newly-created Accelerator Section, under Dr. Wilson's direction, in the fall of 1971.

The significance of the NAL accelerator was described by Dr. Tom Collins: "I like to

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...Norman Ramsey at NAL press briefing...



...Tom Collins (R) answers press questions in the tunnel of the Transfer Hall...



...Quentin Kerns describes Radio Frequency role in the accelerator...



...R. Cassel (L), NAL Power Supply Commissioner and H. Pfeffer (R), also of the Power Group...



...Donald E. Young reviewed building of the linear accelerator...

think we are building something here that is not too dissimilar from the large telescopes that were built a couple of generations ago. We never expected any thing practical from that, in a sense, but we did expect some answers to some of the questions about where the universe came from and where it is going. For most of us that is what we hope we'll do here, that we'll at least get some part of the answers to our questions."

Looking ahead to the experimental program that will get underway soon, Edwin L. Goldwasser, Deputy Director of the Laboratory, explained that two approaches can be taken with the new machine -- one is to go ahead and assume the continuity of things that have already been discovered; the other is to see what new things there are in the regions already explored. "We'll exercise the second course in our first experiment, seeing qualitatively what may exist, in this region of smallness."

Where does NAL fit in the spectrum of scientific exploration? According to Dr. Goldwasser, NAL will use the proton to probe into matter at about the same depth as astronomers have gone out into the solar system.

"We will explore inner space instead of outer space," explained Dr. Norman Ramsey.

In the days to come, the knowledge gained from the NAL machine will be recognized. However, the people who have built the machine have given unqualified dedication; their personal sacrifices to the larger goal have been many. They have been at once mechanics, detectives, prairie pioneers and 21st Century scientists. It was a day to pay tribute to them.

The pictures in this article were taken by Tony Frello, NAL Photographer.

NEXT FILM SHOWING MARCH 26TH

A program of selected shorts has been chosen by NAL International Film Society as the next viewing in the Village Barn on Sunday, March 26th at 7:30 p.m. Admission is \$1.00.

The importance of well-made short subjects and short stories transferred to film is an interesting and entertaining aspect of film making. The College of DuPage has a very fine selection of these and NAL film buffs are fortunate that the College is loaning some of their best to the Film Society.

Included in the showing will be: "The Hat," "The Hangman," "Occurrence at Owl Creek Bridge," "Why Man Creates," "Night on Bald Mountain," and "Is This War Necessary."

INCOME TAX ASSISTANCE

Both Illinois and federal income tax forms, along with instruction sheets, are available to NAL employees in the Personnel Office at 21 Sauk in the Village. Free assistance with state tax forms is available to Illinois residents from the Taxpayer Assistance Division of the Illinois Department of Revenue, call toll free 800-972-1630. Information regarding federal tax forms may be received from a staff member of the Internal Revenue Service by calling 641-1040.



CELEBRATION GALA, MARCH 11TH

The Universities Research Association (URA), a consortium of fifty-two universities in the U.S. (one in Canada) operates the National Accelerator Laboratory, under a contract with the Atomic Energy Commission.



Following achievement of the 200 BeV acceleration on the NAL accelerator on March 1, URA invited NAL, DUSAF, AEC employees and visiting scientists to a "Celebration Gala" on Saturday night, March 11. The large rooms of the completed first floor of the high-rise building were quickly converted by caterers and a dedicated committee into areas for the under and over 29'ers. More than 1,000 people moved from one area to another enjoying the significance of the event, the chance to socialize, and the relief from the stringencies and demands of the past 39 months.



In spite of the large numbers, the friendships, the camaraderie of people who have shared a common goal melted all reserves; everyone had a good time!

Pictured here are a few of the guests.

NAL Photos by Chuck Long.



MARK YOUR SOCIAL CALENDAR

Saturday, March 25 - THE ANNUAL EASTER EGG HUNT will be held at 1:00 p.m. at the Village Barn for the "little ones (under 10)". Children should bring their own baskets. There will be a lot of eggs and "goodies." No admission charge.

For further information, call Walt Gorecki, Ext. 279, Chairman of the event.

Saturday, April 8 - CANDLELIGHT BOWL - 9:00 p.m. at Bowling Green Lanes on Roosevelt Road. \$5.00 per couple. Door prizes will be awarded. Make reservations with Doug Maxwell, chairman, Ext. 266, before March 30th.

PING PONG TOURNAMENT REGISTRATION OPENS

All NAL, AEC, and DUSAF employees are invited to participate in the annual Ping-Pong Tournament sponsored by NALREC. Tentative date for this highly competitive, international sport has been set for the first week in April and interested players MUST register before March 29th in order to participate in the tournament. To register call Personnel, Ext. 396.

Two tables are now set up in the Village Barn for warming-up sessions. Paddles and balls must be picked up at Personnel (21 Sauk) and returned after the sessions. Chairman of the tournament is Elbert Smith, Radiation Physics, Ext. 461.

CONGRATULATIONS...to John and Mary Fogelson on the birth of their daughter, Mary Ann Elizabeth on March 3rd - at the Community Hospital, Geneva. Weighing 10 lbs. 8 oz., Mary reigned as "queen" of the nursery during her short stay. John works in NAL Bubble Chamber.

A REMINDER FOR NAL EMPLOYEES

NOTICE TO YOUR EMPLOYER OF EVERY ON-THE-JOB ACCIDENT INVOLVING PERSONAL INJURY IS REQUIRED BY LAW. If you do not promptly report an injury you may have to pay your own doctor's bills and you could lose your compensation insurance benefit.

If you are hurt while working, tell your supervisor at once, and get first aid treatment. If necessary, you will be sent to a doctor or hospital.

For further information call Dorothy Poll, Ext. 232.

CLASSIFIED ADS

ANOTHER SCUBA COURSE - Starting April 10. Cost \$55. 10 persons minimum needed. For more information, contact Bill Beckley, Ext. 491 or Bob Mau, Ext. 734.

FOR SALE - Clean, low mileage one-owner 1969 Buick Riviera- power brakes, power steering, power seats, electric windows, auto. transmission, air cond., custom chrome trim. Call Ed, 485-1719.

FOR SALE - AIWA cassette tape recorder, plays & records, portable lightweight unit, very good condition, \$35. Phone Ron, 879-2900 (Survey).

FOR SALE - Used baby grand piano \$400 or best offer. Call 653-0096.

FOR SALE - Sealpoint Siamese kittens, \$15. 879-2521.

FOR SALE - Engine & chassis service manuals for 1966 & 1968 Chevrolets. H. Barber, Ext. 392.

FREE TO RIGHT HOME - young wire-haired Fox Terrier, purebred, all shots, housetrained, good with children. Call DORchester 3-1259.

WANTED - I am interested in obtaining foreign stamps. If you have extra (cancelled or unused) I would be pleased to hear from you. Graciela Carbo, Ext. 533.

The Village Crier is published by the Public Information Office of the National Accelerator Laboratory, Margaret M.E. Pearson, Editor. Correspondence may be directed to the address below. Telephone number of the Laboratory is 312-231-6600.

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