


# The Village Courier

 national accelerator laboratory

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## PROGRESS REPORT - MARCH 20TH THROUGH MARCH 24TH

The accelerator has been shut down this week. Great progress has been made on the commissioning of the cooling system.



...Crew working out of Service Bldg. E-0 included: (L to R) A.Legan, T.Svejda, J.Satti, J.Sasek, J.Guerra, E.Tilles, R.Brazzale, G. Clever...



...Among those working in the Booster tunnel to increase the intensity of the proton beam during current activities are (L to R) D. Douglas, M. May and L. Brown...

Photos by Tim Fielding, NAL

### WHAT'S GOING ON IN THE NAL TUNNEL?

A telephone call to any of the NAL sections during the past few weeks probably brought the secretary's response, "Sorry, everyone here is down in the tunnel...". Even a Chicago television crew visiting during the past week, trying to take some simple background pictures in the tunnel, reported that the 4-mile circle was "just like State and Madison."

Following achievement of 200 BeV acceleration on March 1, a machine shut down has been necessary to accomplish a number of things that had been temporarily postponed during the push for higher acceleration. Specifically, cooling water had to be reconnected; Main Ring magnets needed to be tested and upgraded; control system modifications and improvements were in order; Booster and Linac were striving for higher beam intensity.

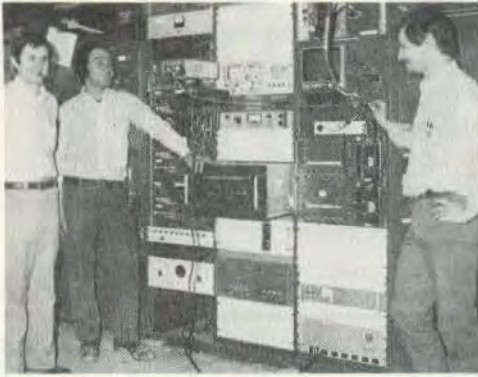
The scenario which resulted for the shut down period proposed to make achievements in all of these needed areas. In what has now become "typical" NAL style, true team effort again prevailed.

One crew coordinated by Hank Hinterberger, NAL Director of Technical Services, immediately started to re-connect water lines that will permit 400 gallons of water per minute per service building to flow in the lines which cool the magnets of the Main Ring. Led by George Biallas, John O'Meara, Bob McCracken, and John Satti as commissioners, Hinterberger's crews are restoring lines which had been disconnected in 1971 and were left that way while acceleration efforts took priority. Group leaders for this effort have been Leo Ray, Bud Koecher, Jose Poces, Ed Tilles, and Joe Otavka.

The Main Ring magnet system has been checked. Operating experience and "high pot" testing have determined that magnets built in a manner similar to those in the Booster Ring and in some of the experimental areas would give the results desired in the Main Ring. Bob

(Continued on Page 2)





...Controls group in service Bldg. B2 (L to R) R.Dice, L. Burkel, M. Kibilko...



...In the Linac gallery: (L to R) W.Ganger, E.Gray, C. Owen, M. May...



...Cockcroft Walton crew: R. Hren (seated); L to R, standing: M.Koenig, C.Curtis, L. Wahl...

Trendler's group has carried out the testing while George Hill and Larry Sauer directed magnet installations.

Bob Daniel's Controls group descended in a body on their systems, to modify and improve especially the monitoring of the Main Ring power supplies which proved to be an important phase of reaching 200 BeV in the weeks just preceding March 1st.

In the Booster and Linac areas, efforts are concentrated on improving the intensity of the beam being "injected" into the Main Ring. The Booster will now pulse more frequently and will therefore inject more protons into the Main Ring. Curt Owen and Ed Hubbard have led the work going on in these areas.

The end result of this intense effort -- to obtain a high quality beam for waiting experimenters -- is now closer each day. Experiments with the 30-inch bubble chamber will receive the first beam to go down the experimental beam line more than one mile away from the point at which it is "extracted" from the Main Ring.

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PROCEDURES FOR EXPERIMENTERS PUBLISHED

James R. Sanford, NAL Associate Director for Program Planning, recently issued the 1972 edition of a booklet entitled, Procedures for Experimenters. The booklet is a collection of memos written by Dr. Sanford and NAL section leaders, directed to the attention of experimenters. It is intended to help visiting scientists familiarize themselves with current administrative procedures and practices in effect at NAL, the facilities available to experimenters, and the safety regulations they are expected to follow. Prospective experimenters should direct initial inquiries to Dr. Sanford who is responsible for planning and coordinating the NAL experimental program.

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THEY FOUND THEM ALL... More than 200 youngsters under ten years of age left no rock or blade of grass unturned in their search for 75 dozen colored eggs in the Village on Saturday, March 25, at NALREC's annual Easter Egg Hunt. Shown here are winners of prizes by age groups:



...Sharon Humbert... :



...Danny Bianchi...



.....Jim Cole.....



.....Paul Satti.....



HAPPENINGS AT THE AREA AEC OFFICE - By Minerva H. Sanders

Recent visitor from our HQ office in Germantown, Maryland, was Sophia M. Bettien, AEC's Federal Women's Program Coordinator. Items of special interest re our FWP includes the recent selection of Jane Monhart as CH's FWP Coordinator and the three-year appointment of Lois Thompson as a member to the Advisory Committee. Virginia Hummel and yours truly will continue as members of the Advisory Committee with terms expiring October 1973 and 1972 respectively.



S. M. Bettien

Congratulation are in order for Marilyn Bailey and Amelia Bocanegra who have just completed a three-day training seminar on "Better Office Skills and Services," which was held at the U. S. Customs House in Chicago.

We extend our thanks to Ron Zeitler - solicitor, Bill Donato, Dick Figlik, Kellogg Morton and John Ryan for their donation of blood during our recent Group Blood Assurance Program Drive. Because of their wonderful "gift," all AEC employees and members of their household will receive blood replacement at no cost for one year. And to Bill Donato, who offered to donate "an extra pint" in the event our quota was not met - YOU ARE THE GREATEST.



W. A. Donato

Our Deputy Manager, CH, Wesley M. Johnson, visited us last week and was taken on a "grand tour" by K. C. Brooks, F. C. Mattmueller and A. E. Mravca. Mr. Johnson was quite impressed and promised to return soon.

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EEO OFFICE HEADS WOMEN'S INFORMATION MEETINGS

Three NAL women staff members recently attended a conference in Chicago on Equal Opportunity for Women sponsored by Urban Research Corporation. They are Joyce Howell (EEO), Shirley Bickel (Payroll) and Denise Blayney (Business Office).

NAL's Equal Employment Opportunity Office will head efforts to advise NAL's women employees about the provisions of the President's "Revised Order No. 4" which will become effective April 2, 1972. Under the order, companies doing business with the federal government are required to set goals and timetables to rectify any discrimination against women which may exist in these organizations.

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W. BOSWORTH AT CONSERVATION MEETING

Ward Bosworth, engineer in NAL's Plant Management Section, represented NAL at the 27th annual meeting of the Kane-DuPage Soil and Water Conservation District held recently in Elburn, Illinois. Closely involved with conservation programs implemented by and for farmers, the District is also at present working on a detailed soil survey of DuPage and Kane counties.

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CANDLELIGHT BOWL APRIL 8....Today is the last day to make reservations for the Candlelight Bowl to be held Saturday, April 8, 9 p.m. at the Bowling Green Lanes on Roosevelt Road. \$5.00 per couple. Prizes to be awarded. Call Doug Maxwell, Ext. 782.

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...Members of the Indian Creek Riding Club heralded the arrival of the first offspring of their stable since it began operation. A filly foal, born at 8:30 a.m. on March 11th to dam Omega, owned by the Riding Club, is shown here shortly after birth...



Photo courtesy of Mary Ward.



ATTENTION NAL AND VISITING WIVES

Dr. Richard Wasson, head of the Education Department of the Morton Arboreteum, has agreed to teach a course entitled, "Field Natural History," on the NAL site on Mondays from 9:15 am. to noon beginning April 10th. The course will include an introduction to the following aspects of the NAL natural site: wild flowers, spring bird migration, aquatic life, native shrubs, fossils of our bedrock, etc. Fee for the course is \$15.

This is a unique opportunity to have excellent instruction right on site. However, you must sign up immediately; class size must be at least 12 members, not more than 25. Call the Visitor's Center, Ext. 560, to register and obtain further information.

NALWO'S GOURMET GROUP...will meet at 7:30 p.m. on Saturday, April 15 at the Paul Reardons, 1483 Morse Street, Wheaton for a New England dinner. Call Mary Ann Ryk, 968-8651.

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NAL FAMILIES DISPLAY TALENTS

Janice and Arthur Roberts, Research Services, are serving as director and musical director, respectively, for a production of "Pal Joey" to be presented April 7, 8, 14, and 15, at the Beverly Art Center, 2153 W. 111th ST., Chicago. The show begins at 8:15 p.m. Information, reservations, and advance tickets can be obtained through Mrs. R.Poebel, 653-3633.

Rosamund Brenner, wife of Alfred Brenner, Research Services, Computing, will present an organ recital at the Trinity Episcopal Church, 130 N. West St., Wheaton, on Sunday, May 7 at 8 p.m. Her program will include selections from Organ Mass of Johann Sebastian Bach.

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PICK YOUR SPORT

...Anyone interested in forming a BICYCLING CLUB at NAL? Activities could be organized by groups such as for adults only, or families, for short hikes, or weekend trips. Would like to start immediately to plan for this spring and summer, and to include the annual Atomic Bike Hike with the Argonne Bike Club. Contact Greg Chartrand, Ext. 207.

...SQUASH AND HANDBALL have become very popular sports at NAL. Because of the growing interest in both sports, it has become necessary to provide a system for reserving the Squash court located in the Anderson Barn on Sauk Circle. For reservations, call Personnel, Ext. 396. Racquets, balls and the key to the Barn are available at Personnel, 21 Sauk.

...Keen competition is guaranteed at the annual NAL PING PONG TOURNAMENT which starts April 3rd judging from the list of those who have already signed up. Prospective players may practice on the tables set up in the Village Barn. Women competitors would also be welcome. Call Elbert Smith, Ext. 461, for further information and registration.

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CLASSIFIED ADS

FOR SALE - '68 Plymouth Barracuda, Lt. blue, 6 cyl., 2 dr., Fastback. Can be seen at Site Mgmt. Hqtrs. Best Offer - Call Legal Office, Ext. 572.

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 - Buick '64 Wildcat Conv., PS, PB, AM-FM Rad., very good cond., \$395 or best offer. Ext. 555 or 355-0919.

FOR SALE - Mark 10 Transistorized ignition system. Sells for \$45, will sell for \$29. Call Dominick, Ext. 555.

FOR SALE - '68 VW Fastback, needs a little work. Make offer. Bob McLin, Ext. 782.

FOR SALE - Clean, low mileage 1-owner '69 Buick Riviera, PB, PS, P. Seats, Elec. Wind., Auto., AC, Cs. Chrome; Ed, 485-1719.

FOR SALE - '65 Ford Gal., Dlx. 500 XL Auto., PS, PB. \$400 or best offer. Call Sanda, Ext. 755 or 404.

FOR SALE - '70 Jeepster StaWgn., 16,000 mi., Auto., V6, PS, PB, Rad., hitch, positraction, Ziebart rustproofing, \$2,500. Excel. cond., Hal Satter, Ext. 786.

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