

# The Village Crier

 national accelerator laboratory

Operated by Universities Research Association Inc.  
Under Contract with the United States Atomic Energy Commission

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## NAL OPERATIONS STAFF WORKS DAY, NIGHT TO TUNE UP SYSTEM

The NAL Operations staff was working night and day last week to tune and complete the NAL Accelerator system prior to attempting to achieve the design energy of 200 BeV.

All systems are installed and more or less operational. The immediate goal now is to accelerate a beam, extract it, "light up" the neutrino production target and then to observe a neutrino event.

The NAL Monthly Report for June, 1971, issued last week, described other facets of progress at NAL as follows:

In the Beam Switchyard, the extraction system is now installed and ready to operate during the next main accelerator operational tests. The beam lines to the main beam dump are complete. Approximately one-fourth of the magnets have been installed in the Meson Laboratory proton beam line. It is expected that the beam line to the Neutrino Laboratory target will be complete and under vacuum in July.

The 50-cm superconducting solenoid for the NAL monopole experiment (#76) has been energized to its design field of 80 kilogauss.

In the first phase of the Meson Laboratory, (the target area, which is 80% complete), the earth shielding is being placed over the target section. In the second phase

(Continued on Page 2)



. . . An aerial view of construction going on at the NAL Neutrino Laboratory area. The building with the sloping walls, left center, is Building A, the Assembly Building. At right center, the bubble chamber vacuum tank can be seen in the foundation of Building B, the Bubble Chamber building. Above the Bubble Chamber building are Building C, the Counter Building, and Building D, the 30-inch Chamber building. . .

Photo by Tony Frelø, NAL

## NAL OPERATIONS STAFF WORKS DAY, NIGHT TO TUNE UP SYSTEM - Continued from Page 1

(secondary beam lines) which is 80% complete, more service buildings have been completed and occupied by the Laboratory for component installation.

At the Neutrino Laboratory construction site, earth shielding is being backfilled over the target and meson decay sections. This first phase (the target area and decay region) is 90% complete. Building D, at the far end, has been partially occupied by the 30-inch bubble chamber group. The third phase of the Neutrino Laboratory, the beam lines between the decay region and the end, is 25% complete. Pipes for the muon and hadron beams are being installed.

The contract for the Proton Switchyard is 95% complete. The beam dump is now covered.

A contract for the first phase of the Proton Laboratory (the third of the NAL experimental areas) has been awarded to the Schless Construction Co. of Batavia. Work under this contract includes proton beam enclosures and the utilities that will extend the present proton switchyard across Road B, to a point near the electrical substation.

The second phase of the Central Laboratory, which will carry the structural work through the seventh floor, has been awarded to the Corbetta Company of DesPlaines. It is planned that contracts for later phases of the Central Laboratory will be let soon.

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### BLOOD DONOR FORMS AVAILABLE AT FIRST AID HOUSE

A reminder that forms are available for the American Red Cross blood donor program at the First Aid house in NAL Village has been issued by Mrs. Dorothy Poll, R. N.

To date, nearly 100 men and women on the NAL staff have signed up for the blood donor program.

It is presently planned to have the Red Cross blood donor team visit NAL Wednesday, September 1, and Thursday, September 2. Blood donors will be handled by the expert group between 10:00 a.m. and 3:00 p.m. on each of these dates. It will require about 30 minutes for each appointment and only less than 10 minutes for the actual donation. Less than a pint of blood is all that is taken, Mrs. Poll said.

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NALWO NOTES: Wives of summer visitors are cordially invited to join the activities of the NALWO activity groups. For further information on any of these activities, call Joan Sculli at 355-4109.

A baby sitting service has been arranged for summer visitors. Requests for sitters should be made to Jodi Eskey, Ext. 348.

A pre-school play group is being organized. Persons interested should call Joan Sculli, 355-4109. The group is urgently seeking donations of suitable equipment for the nursery school such as cribs, playpens, phonographs, indoor and outdoor gymnastic equipment, children's books and puzzles, games and toys, as well as shelving and kitchen utensils.

A group of persons interested in performing on recorders is being formed. Mrs. Jean Malamud has volunteered to act as Chairman. Anyone interested in joining such a group should call Mrs. Malamud at 393-1198.

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MARK YOUR CALENDAR: THE ANNUAL NAL PICNIC WILL BE HELD SUNDAY AFTERNOON, AUGUST 29, IN THE NAL VILLAGE RECREATION AREA.



. . . Another new member of the NAL family was born at about 6 p.m. Saturday, July 3, according to Robert Hines, NAL Farm Manager. A tiny buffalo (a heifer this time) was added to the Laboratory's wildlife population, in the "Colorado herd." As a result, NAL now has 20 head of buffalo. Hines pointed out that this second birth of a buffalo at NAL was without the fanfare and excitement of the first, which took place Saturday, May 29, when a 40-pound male arrived at the Feldott Farm off Batavia Road. In the photo above, the newest arrival is shown in the center with her mother while the young bull, now 8 weeks old, tries a little green grass, at right. . .

Photo by Tim Fielding, NAL

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#### FINAL CALL FOR AREA SERVICE QUESTIONNAIRES

A final call for answers to questionnaires about communities and services available in the NAL area has been issued by Mrs. Janice Roberts.

If you have lost your sheet, but feel that you have information that would be beneficial for the proposed directory for newcomers and others, please put it down on paper and send it to Mrs. Janice Roberts, Housing Office, 21 Sauk, in the NAL Village.

"The style is immaterial; the content is more important," said Mrs. Roberts. Just listing where one can find good tradesmen and servicemen would be helpful; for example, barbers who don't scalp (literally and figuratively). Mrs. Roberts notes that to date not enough of the respondents have listed efficient servicemen involved in such diverse areas as shoe repairing, appliance repairing, landscaping, dressmaking, etc. "Please remember," she reminds, "that it is really difficult for a newcomer to find what you take for granted."

Mrs. Roberts may be reached at Ext. 348.

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SOFTBALL LEAGUE SCORES: Tuesday: Machine Shop 20, Radio Frequency 18; Beam Transfer 21, Personnel 2. Thursday: Machine Shop 15, Physics Research 12.

RECENT APPOINTMENTS: Richard Orr has been appointed Section Leader of the Meson Laboratory section. Timothy Toohig has been appointed Section Leader of the Neutrino Laboratory Section. Lincoln Read has been appointed Section Leader of the Proton Laboratory Section.

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. . . Recently-elected officers of the NAL Women's Organization are shown at a regular Board meeting in the Village Barn. They are, left to right, Mrs. Lisa Goldwasser, Vice-Chairman; Mrs. Joyce Wehman, Treasurer; Mrs. Pat Sheldon, Editor of the Bulletin; Mrs. Joan Sculli, Chairman of the Activity Groups; Mrs. Jane Wilson, Honorary Chairman; Mrs. Jodi Eskey, Staff Liaison; Mrs. Janice Roberts, Visitor Hospitality; Mrs. Bea Hinterberger, Secretary; Mrs. Isobel Walker, Chairman. Mrs. Emma Payzant, Vice-Chairman for DUSAF, was not present when this photo was taken. . .

Photo by Tim Fielding, NAL  
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#### ALL-STAR FOOTBALL TICKETS STILL AVAILABLE

Tickets are still available for NAL employees to attend the football game featuring the College All Stars of 1970 and the Baltimore Colts at Soldier Field in downtown Chicago on Friday night, July 30. Chuck Marofske, Personnel Manager, is in charge of arrangements.

Some 50 tickets are available. They will be sold by Daniel Matias, Linac; Bob Bennett, Machine Shop; and Eddie Stapleton, Personnel. Tickets are \$9 per person and checks should be made payable to "Nalrec Inc."

Present plans call for the bus to leave from the NAL cafeteria at 6:30 p.m. for the field. There will be free beer and refreshments on the air-conditioned bus.

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#### CLASSIFIED ADS

FOR SALE - '70 SAAB StaWagon, Excellent Condition. J. L. Ganan, 879-2900, Ext. 296.

FOR SALE - '66 F85 Olds, 4dr, new tires/battery. Excellent performance-1 dent. \$600 or best offer.. Call Corry, 879-2900, Ext. 202.

FOR SALE - '69 Pontiac G.T.O., P.S. Stereo, Burglar Alarm, Extras. Sharp; '65 Triumph Motorbike 650cc. Semi-Chop. 14' Fiberglass Runabout w/60 HP Johnson, & Alloy Tilt Trailer; Ski Bar & Skis. Call Al Murray, 879-2900, Ext. 296 or 697-0940.

FOR SALE - '61 26' Chris Craft Cavalier C.C.S.S. Radio, Depth Finder, 185HP, Al Shape, Carpet, horns, spots, \$4,500. Call Bud, Ext. 307.

WANTED TO HIRE - Camper to sleep 2 adults plus child, 1st 2 weeks in Sept. Call C. Biggs, 892-8539.

LOST AT POOL - Pr. Men's Presc. Sun Glasses. If found call J.R. Simanton, Ext. 541.

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