

## A HANDY GUIDE FOR NAL EXPERIMENTERS

Both NAL staff members and NAL experimenters will find a great deal of valuable information in the 1974 Procedures for Experimenters recently issued by the Program Planning Office. Written as a convenient, concise guide for experimenters working at the Laboratory, the Procedures describe in detail many aspects of administration and procedure at the National Accelerator Laboratory.

For example, a prospective experimenter can turn to one section to check arrangements needed with the business office; another describes publications of the Laboratory, another how to ship experimental materials to NAL. The general administrative organization of the Laboratory is the subject of the first chapter.

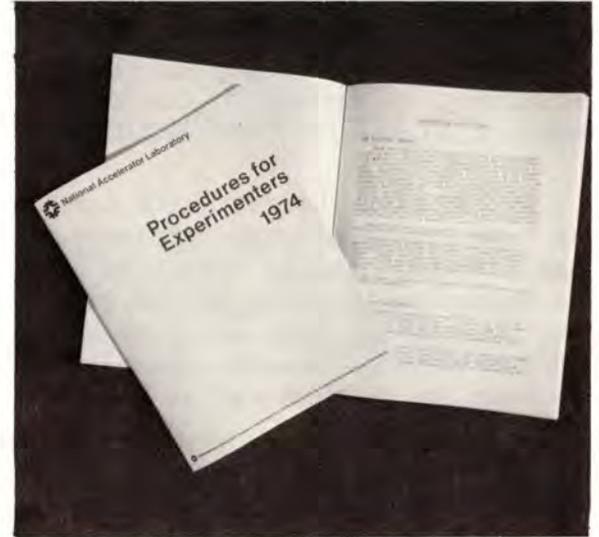
Special emphasis on safety is found in the 1974 Procedures. All experimenters are asked to familiarize themselves with safety requirements at the National Accelerator Laboratory. NAL Safety Officers are "always prepared to aid experimenters in reviewing and inspecting all equipment for identification and evaluation of potential hazards," the Procedures explains. It is Laboratory policy that failure to follow NAL safety regulations and procedures may be cause for the Laboratory to deny a visitor access to its research facilities.

Another major effort in the Procedures is to introduce to experimenters the names of NAL staff members and their area of responsibility. Twelve major Laboratory facilities are listed and persons responsible for particular work in those twelve areas are named. It is then possible for an experimenter to contact a person directly as a result of being made aware of this organizational structure.

An experimenter's visit to NAL usually begins in the Visitors Center where the visitor receives an Identification Card, safety requirements form, and patent understandings. Satisfying living requirements for the visitor's family is usually the first concern. The Visitors Center and Housing Office has a great deal of general information on places to live, facilities in surrounding communities, school information, transportation, medical facilities, and helps the visitor in whatever way it can. Most experimenters continue to touch base with these offices as unforeseen problems arise, and the staff of these offices has developed considerable skill in assisting visitors and their families.

Preparation of the 1974 Procedures was directed by James R. Sanford, Associate Director for Program Planning, with the assistance of Nancy Stiening and with production help from Jean Plese and Shirley Burton. It is printed on recycled paper stock.

The volume has been distributed to all spokesmen for approved experiments. Additional copies may be obtained from the Program Planning Office on the fourth floor of the Central Laboratory Building, or from the Visitors Center, 33 Shabbona.



*...1974 experimenters' reference guide available...*

THE WEEK THAT IT SNOWED AND IT SNOWED AND IT SNOWED



...Grounds Maintenance crew ready for next snow removal assignment: (L-R) R. Hall, W. Robinson, D. Porter, R. Mataya, R. Lootens, C. Winders, T. Olson, G. Provancial. Not present for photo were: G. Pipkin, M. Roubideaux, D. Frega...

By the time the day shift came to work on January 9th, 10th, and 11th, the NAL Grounds Maintenance crew had put in half a day's work. That's usually enough to handle a normal snow fall. But the tricky weather the second week in January kept this group going for three days. They moved twelve inches of snow, keeping streets and driveways, sidewalks and parking lots available for all those who come and go each day at NAL.

This crew is ready for this emergency all winter, according to Bob Hall, their group leader. When one inch of snow has fallen at night and it appears that it will continue, Bob's phone rings at home, with a call from Advance Security's watchmen. Bob then goes into action and calls his men, regardless of the hour. When highways surrounding NAL are hazardous and slippery, it is a relief to enter the site and find it cleared or being cleared.

The Grounds Maintenance crew has also been in charge of the extensive tree plantings on the site in the last five years. The beauty of those trees improves each year as the crew carries out its plans to transform the site from farmland to a natural wooded state.

This crew also mows grass in the summer. The lawns in the Village alone are a large assignment. Two of the crew -- Tom Olson and Gabriel Provancial -- feed and care for the buffalo and the Scottish Highland cattle. A recent addition to the group is Herbie, a large 3½ year old Dalmatian mascot found wandering lost on the site last summer. Herbie takes to the kindness he finds at Grounds Maintenance headquarters on Eola Road. Don't be surprised if he comes along on the next service call from the G.M. crew!

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NAL 1974 HOLIDAY SCHEDULE

<u>Event</u>	<u>Day Observed</u>	<u>Event</u>	<u>Day Observed</u>
New Year's Day	- Tues., January 1	Day after Thanksgiving	- Fri., November 29
Memorial Day	- Mon., May 27	Christmas Eve (half day)	- Tues., December 24
Independence Day	- Thurs., July 4	Christmas Day	- Wed., December 25
Labor Day	- Mon., September 2	New Year's Eve (half day)	- Tues., December 31
Thanksgiving Day	- Thurs., November 28		

Floating Holiday - (Any regular workday selected by employee with prior approval from supervisor.)

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...Porter (L), Robinson clear Stock Room walk...



...Gayle Wirth (L), Judy Riley take the calls...

UNIVERSITIES RESEARCH ASSOCIATION FELLOWSHIP PROGRAM  
OPEN FOR 1974 COLLEGE FRESHMEN

Once again, sons and daughters of all employees of the National Accelerator Laboratory and the Universities Research Association are invited to participate in the U.R.A. Fellowship Program, now accepting candidates who will enter their freshman year of college in 1974.

The Fellowship provides a maximum of \$1,200 toward tuition and fixed fees, renewable on an academic calendar basis for four years. U.R.A. hopes to give seven awards this year.

Names of candidates should be sent to Ruth Thorson, Personnel, no later than March 1, 1974, together with this information: Name of Student; High School Attended; School of Intent; Copy of official record of SAT verbal and math test scores.

PICTURE YOURSELF IN THAT 80-DEGREE WEATHER

NALREC invites NAL employees and their immediate families to a six-day vacation in the Bahamas -- May 3-6, 1974. Trip price of \$149.00 includes round trip air transportation; three nights at King's Inn and Golf Club; airport transfers in Freeport; welcome rum punch party; green and tennis fees; baggage handling, and tips and taxes, (not regular meals). Contact Eric Jarzab, Ext. 3396. Deposit and reservations' deadline is February 28.

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R E M I N D E R

Second lecture in series, "The NAL Accelerator -- How it Works," will be given Friday, January 25, at 11 a.m. in the Auditorium. Dr. Frank Cole will continue his presentation of "An Overview of the Accelerator." All employees are welcome. Permission of supervisor is required for attendance.

HANS BETHE SPEAKS AT NAL



Dr. Hans Bethe, (Left in photo), Nobel prize physicist from Cornell University, lectured at the National Accelerator Laboratory on a recent visit here. He spoke on "The Energy Problem: The Outlook for the Next Five to Twenty Years." Advocating research and development of the breeder reactor, Dr. Bethe also spoke of the advantages of hydrogen as a source of transportation fuel. Hydrogen could be produced in the slow hours of the operation of nuclear reactors. Airlines are now studying hydrogen as a substitute fuel in aircraft, he said.

"Enormous numbers of people will be needed for the fusion research program," he said. "We will need more physicists and engineers conversant in plasma and electricity and design just to build such plants. This may turn out to be the limiting factor, just not having enough engineers and workers of this type," he said.

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(Photos by NAL photographers)

SKATING PARTY RE-SCHEDULED FOR JANUARY 26

The January thaw forced postponement of the Family Skating Party, now re-scheduled for Saturday, January 26, 2-5 p.m. Hot dog and marshmallow roast, hot chocolate will be served. Everyone is welcomed at the Phillips Farm. Call the NAL switchboard on Saturday to verify the party if the weather is questionable.

NOW IT'S 6-1

Once again the Protons basketball team went to the battle front and overcame the enemy. In a nip-and-tuck skirmish they out-last-ed a weary Doolins' team, 68-64.

With four players in double figures, -- Roy Justice, 21; Tyrone Thomas, 18; Clarence Bowling, 16, and Bobby McNeal, 10, the Protons are certainly headed for their best year.

Cheer them on -- Thursday nights at 7:30 p.m. at Naperville North High School.

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ELGIN CONCERT SUNDAY, JANUARY 27

The Elgin Choral Union will present a concert on Sunday, January 27 at 7:30 p.m. at Hemmens Auditorium, 150 Dexter Court, in Elgin. The 65-voice chorus, accompanied by a 40-piece orchestra, will perform Rossini's "Stabat Mater," Bruckner's "Te Deum," and Brahms' "Alto Rhapsody." Adult tickets are \$2.50; students, \$1.50. For further information, contact Bob Goodwin, Ext. 3728.

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BASKETBALL, ANYONE?

G. Bunce (Ext. 3450, Experiment #8) is looking for a group interested in a pick-up basketball team that would get together one night a week or so. There would be no charge for this activity and the games would probably be played in West Chicago. Call Bunce if you're interested.

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The ARGONNE CREDIT UNION telephone number at NAL is Ext. 3293 (June Olsen).

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CONGRATULATIONS! to Claudia (Village Crier) and Ronald Slater on the birth of their daughter, Carla Lynn, on December 15, at the Wesley Memorial Pavilion, Chicago.

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CLASSIFIED ADS-

FOR RENT - 3 Bedroom Ranch, Romeoville area. Available Feb 1st. R. Meisner, 668-7282.

SUBLEASE - One Bedroom Apt., Fox Terrace Apts., Wilson & Kirk Road. Immediate occupancy. Dwight McEwen, 879-3100.

FOR SALE - 68 Cutlass 2 dr. H.T., approx. 58,000 miles, 2 new tires, good gas mileage, excel. running condition, needs brakes. \$1,100. Joyce Sobinsky, Ext. 3572.

FOR SALE - Belted Tires, 36,000 mi. 2 Sears C78-13, 2 Firestone A78-13. Almost new. \$20 each. Fred Messing, Ext. 3369.

WANTED TO BUY - Camper for 1957 Dodge half-ton Pickup. Wanted also 40 h.p. Mercury Outboard Motor. Mike Van Densen, Ext. 3535.

FOOD BUYING COOPERATIVE - Natural foods bought in bulk and divided. Cheaper than supermarket. Gil Nicholls, Ext. 3117.

FOR SALE - Bell & Howell Auto Cassette Player, \$40. Also many cassettes. L. Klein, Ext. 3556, or 892-8614 after 5:30 p.m.

FOR SALE - Mechanical drawing table; drill press; oak desk; Marvel Metal Cutting Saw, 110V, \$25; Marine Hardware, cleats, etc. H. Minster, Ext. 3233.

FOR SALE - Cleveland Trumpet \$150 or best offer. E. Laukant, Ext. 3785.