

# The Village Courier

 national accelerator laboratory

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## 1973 PROCEDURES FOR EXPERIMENTERS NOW AVAILABLE

A booklet describing The National Accelerator Laboratory is available to users of the NAL accelerator in the new edition of "Procedures for Experimenters" recently issued by James R. Sanford, Associate Director for Program Planning. Information in the booklet is divided into three sections -- administrative, technical and safety requirements. Administrative details include such areas as the organization of the laboratory, procedures for submitting experimental proposals, and descriptions of transportation, housing, and eating facilities available at or near NAL. Technical information outlines the parameters of the experimental areas and describes research services available here. Safety requirements that are to be followed are described in the third section. Special attention is called to the NAL policy that visitors may be denied access to experimental facilities if safety regulations are not followed. Many important safety considerations are spelled out in the procedures booklet.

"Experimenters will find it very worth their while to read about these NAL practices before coming here," notes Sanford. "Each laboratory is different, and an experimenter can save a lot of time if, for instance, he knows the correct way to ship his equipment to NAL, as we describe in the procedures booklet. The laboratory is spread out over a large area, and it is often difficult for visitors to get answers to their questions at the time when they need information. We hope that this procedures booklet and our area directory will be helpful to these people."

Those who want to do research at the National Accelerator Laboratory prepare a research "proposal," a comprehensive statement of the physics to be covered in the experiment, the facilities and equipment needed, how the experiment is to be funded, and the collaborative efforts involved. Proposals are evaluated by the NAL Program Advisory Committee, a distinguished group of twelve high energy physicists. A recommendation on each proposal is made to NAL's Director by this committee. Proposals may be approved or disapproved; they may be combined with similar proposals, or approval may be delayed until the outcome of other experiments becomes known. Approval means that the experiment has scientific interest and is technically feasible.



*...1973 edition of Procedures now available...*



*...Jean Plese of the NAL Director's Office recently distributed copies of the new "Procedures for Experimenters"...*

(Photo by Tim Fielding, NAL)

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## 1973 PROCEDURES (Continued)

A detailed agreement is drawn up between NAL and members of an approved experiment, firming up objectives of the original proposal and subsequent changes. Each experimental group names a "scientific spokesman" who becomes the official link for the group in its formal relationships with NAL. Approved experiments usually find more than one institution pooling research interests with others to utilize the available facilities better.

"Procedures for Experimenters" explains the details of all of these matters for the benefit of those who want to do research at NAL. Dr. Sanford also issues a report on the current status of proposals and experiments which may be obtained from his office at any time.

When these matters have been taken care of, and a visitor arrives with his family to work at NAL, he begins to look at the surrounding communities for the one that will best suit his family's needs. The NAL Women's Organization Directory is a valuable guide to these strangers to the area. There are differences in the character of the surrounding towns and cities, the Directory points out, and a brief summary of the lifestyles of nineteen suburban communities is included in the Directory for the benefit of newcomers. NALWO women have contributed their good experiences with area service people including names of appliance repair stores, and good clothing stores. Grocery stores, for instance, are listed by town in the booklet. The Directory is a compact storehouse of the details that make life easier for a stranger getting settled in a new neighborhood. "The Directory has been well received," reports Mrs. Janice Roberts of NAL's Visitors Center. "But I hope each person at NAL will consider it his own personal directory and help us update and improve it before the next edition. It's a cooperative project." The Directory's guidance extends to the Chicago area and includes names of restaurants, cultural attractions, and special shopping places.

Copies of the Procedures may be obtained from James R. Sanford's office in the NAL Directors Complex. The NALWO Directory is available from the Visitors Center at 33 Shabbona in the NAL Village.

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### NOTE TO NAL EMPLOYEES

Applications for U.R.A. fellowships which give financial assistance to children of U.R.A., and NAL employees for college education, must be submitted by March 1, 1973.

For further details on the program, call Mildred Meyer, Ext. 3324.

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...The famous Chicago cyclotron from which came many important discoveries in the 1950's, when it was located at the University of Chicago, is now being installed in NAL's muon area where it will serve as a spectrometer for muon scattering experiments...

(Photo by Tim Fielding, NAL)

## TEACHING BASICS FUN FOR CORDON KERNS

Technicians need more than just technical training, according to Cordon Kerns, an electrical engineer in NAL's Physics Department. They need the personal attention of someone who will explain basic concepts, he feels. And this is why Cordon frequently has held classes in his section and has extended himself to meet this need when he sees it.

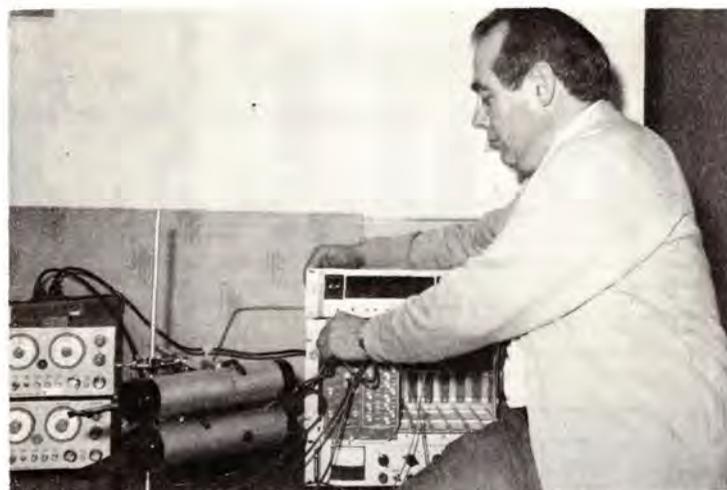
Last Fall, Cordon was asked by NAL's Equal Employment Office to present two lectures on high-speed electronics as applied to high energy physics at New Mexico Highlands University. He responded by presenting lectures that included a unique portable demonstration apparatus so that the students could see counting techniques in action. As the professor in charge explained it, he "has the ability to simplify complex problems in nuclear detection schemes and make them fun." Students responded to the lectures by asking to have similar equipment set up in their school so that they could explore further the ideas they derived from the lectures.

"Those of us who were raised in an atmosphere which encouraged academic pursuit may not realize that we were given an unusual opportunity. Though a young person may be interested in our work -- not only electronics, but in other skills -- he may not have had the benefit of early contact with the field, and we owe him the opportunity to catch up."

"I find great satisfaction in the little bit of teaching that I've done. I really enjoy seeing that light of understanding come over a young person's face when he says, 'Now I understand it,' " Kerns observed recently.

Cordon is a younger brother of Quentin Kerns of NAL Research Services. Both men came to NAL from the Lawrence Berkeley Laboratory in California. Cordon and his wife and four children live in Wheaton.

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...C. Kerns with one of his teaching devices...

D.W. GRIFFITH's "INTOLERANCE"  
Friday, February 9 - 8 p.m.  
Village Barn

The February film of NAL's International Film Society will be D.W. Griffith's "Intolerance," with Lillian Gish, Mae Marsh, Monte Blue, Bessie Love, Erich Von-Stroheim, Constance Talmadge and Eugene Pallette, among others.

Janice Roberts, in announcing the film for the Film Society, reports: "This still is considered one of the greatest spectacles ever filmed. It is composed of four different intersecting episodes, depicting prejudice and cruelty through the ages. This version of the film has been cut to a reasonable two hours from the original four. It is probably one of the most influential silent films ever made and should be interesting and exciting. It was very successful in a recent Chicago run. This is a picture for the whole family; in fact, you owe it to yourself and to your children to see it at least once. It was the great picture of its day."

Along with "Intolerance" will be the short, "New York Hat" with Mary Pickford and Lionel Barrymore. The script was written by Anita Loos ("Gentlemen Prefer Blondes") when she was sixteen.

Admission is \$1.00. Employees, visitors, and their guests are welcome!

## NEWS FROM THE CREDIT UNION

Two major policy changes were recently announced by the Argonne Credit Union (both effective immediately):

1. Maximum individual shareholding limit has been increased to \$10,000 per employee/member; maximum family member account limit remains at \$2,000. Any excess will be automatically withdrawn and returned to the member.
2. Interest rate on loans fully secured by Credit Union shares has been reduced to 7% (True Annual Percentage Rate) or  $1\frac{1}{2}\%$  over the current share dividend rate--whichever is more.

Other news briefs reported by the Credit Union are:

- Fourth quarter share dividend was paid at the rate of  $5\frac{1}{2}\%$ . Members are advised that all share dividends are taxable income, and all accounts that earned more than \$10 are reported to the I.R.S.
- The Credit Union has filed an application to insure all share accounts up to \$20,000 with the National Credit Union Administration.
- The 1973 Annual Meeting of the Argonne Credit Union will be held on March 14. Members are invited and encouraged to attend this meeting. New directors are to be elected at this meeting.

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NALWO NEWS....Wednesday, February 7 - 1:00 p.m., Bridge group, White Farm....Saturday, February 10 - Gourmet group will hold a Russian dinner. Call Mary Otavka, 969-6199, for further information....Wednesday, February 14 - 1 p.m., Village Barn, tea for international visitors..... Friday, February 23, Newcomers Pot Luck, 5:30 p.m., Village Cafeteria.

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LAST CHANCE....to get tickets for the February 2 performance of "No, No, Nanette" at the Shubert Theater in Chicago. Tickets are \$9.00 each. Call Marilyn Paul, Ext. 3454.....to get tickets for the Hockey game - Chicago Blackhawks against the Montreal Canadians. Tickets are \$11.50, including bus fare and pizza. Call Peaches, Ext. 3470 for further information.

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## THIS SPRING....

NALREC will furnish trophies for a proposed handicap golf league that would play for 12 weeks this summer at St. Andrews Country Club, West Chicago. Play would begin about May 15.

If you're interested, call Eric Jarzab, Ext. 3396, or Ray Brown, Ext. 3763 for further information.

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## CLASSIFIED ADS

FOR RENT - Large two bedroom apt. in Naperville, 2nd floor of house, furnished, avail. March 20 to June 30. Rent negotiable. Call H. Abarbanel, Ext. 3753 or 357-1699 or M. Einhorn, Ext. 3749.

FOR RENT - 2 bdrm. apt., carpt/dishwasher/stove/refrig/garbage-disposal/2 air-cond., balcony. You pay electricity. Avail. March 1-Wheaton. Call R. Crouch, Ext. 3776 or 653-4556.

FOR SALE - Folboat Sqistern, MUST BE SEEN. Excel. Pleasure craft, can be sailboat, 3 h-p. motor. One man boat loader. Accessories. Reasonable. Call A. Albano, Ext. 3719 or 231-3866.

FOR SALE - 1966 Red 2/dr Ford Fairlane automatic, 286 V8-\$600 or best offer. Call Mellody Schumacher, Ext. 2111 or 323-9297.

FOR SALE - Zenith 23" VHF - black and white television console - \$75.00. Call Len Brown (Hi Rise Machine Shop) 232-2092.

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