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NEWSLETTER

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March 26, 1973  
Volume 4, Number 5

26 North Hall  
St. Paul Campus  
373-0987 - 0990

ANNOUNCEMENTS

We are very pleased to announce that Jim Colten was recently appointed as a Senior Computer Programmer. Jim is a graduate of the University of Minnesota and has several years of experience with the FORTRAN and ASSEMBLY programming languages. Please feel free to contact him for any application programming needs that you may have.

We wish to hire two additional Senior Key Punch Operators as soon as possible. Those persons who are interested or know of someone who is interested in such a position should contact Mary Erickson, Key Punch Supervisor (373-0992). Operators have a salary range of \$459 to \$558 per month, as determined by the Computing Center's Incentive Pay System Schedule.

REMINDERS

1. We wish to remind computer users that preventive maintenance is scheduled for the computer equipment on Tuesdays, 8:00 to 10:00 A. M.
2. The computer system is normally available after normal working hours (until 7:00 P. M. ) for short term debugging or production runs. Generally, long term computer runs of durations longer than an hour are scheduled after 7:00 P. M. in the evening.
3. Please continue to identify all card decks stored in room 14, with the 'Data Set Identifier' labels that are available in that area.
4. The Computing Center has FORTRAN Programmed Instruction Courses available (self taught computer programming courses) which may be loaned out or purchased. If you are interested in learning to program a computer, these manuals will be of great benefit to you. To obtain manuals, please contact our secretary, Mrs. Eva Klein, 26 North Hall.

GENERAL ANALYSIS OF VARIANCE PROGRAM SP36

The Computing Center has recently released, for use, a general Analysis of Variance program, having a wide range of options and facilities. This program is a modification of 'SP33' of the St. Paul Campus Computing Center.

The program is designed to handle a great variety of analysis of variance designs. Fractionally replicated designs such as the Latin square and unbalanced designs such as missing data problems cannot be handled.

The program has the following facilities and options available:

1. Input data print out
2. Printed output of requested means
3. Punched output of requested means
4. Variable naming feature
5. Factor labeling feature
6. Transformation capabilities (21 different types)
7. Performs the calculations necessary for any balanced, fully replicated or nested design, and computes the entries of the analysis of variance table that is called for.
8. Provides the analysis of as many as 9 factors.