

C.S.I.R.O.

DIVISION OF COMPUTING RESEARCH

NEWSLETTER NO. 29 - 1ST NOVEMBER, 1967

I. GENERAL

Publications Issued this Month

NL - Newsletter No. 29

LM - Library Accession List No. 18. Sept. - Oct., 1967.

Seminars

The following seminars will be held at 2.00 p.m. in the Lecture Room of the Division of Computing Research, Clunies Ross Street, Black Mountain, A.C.T. Each is on a Thursday.

November 2nd - On-line Equipment at the University of W.A.
(I.G. Nicholls, Asst. Director, Computing Centre, University of W.A.)

November 9th - Impressions of a U.S. Visit
(B.J. Austin, D.C.R., Canberra)

November 30th - Interactive Computing
(D.G. Moore, Director, Computing Centre, University of W.A.)

December 7th - Document Management in the DAD System
(T.S. Holden, D.C.R., Canberra)

Visitors to Canberra Installation

Users visiting the Division's Canberra laboratory are urged to leave their names and contact points with the Receptionist at the Enquiry Counter. This will facilitate the transfer of telephone calls and the distribution of mail, telegrams and other messages.

Staff News

Mr. G.M. Adam - who is an engineer at the Melbourne research laboratories of the P.M.G., is to be appointed to supervise a computing installation at the C.S.I.R.O. Floreat Park laboratories in Perth.

Mr. J.A. Shaw - has now taken up duty at the Griffith Branch of the Division which is to be equipped with a Digital Equipment Corporation PDP-9.

Puzzle Corner

No completely correct solution to last month's puzzles were received. The prime solutions are:

- (i) If the product of three integers is to be prime, two of them must have an absolute value of unity. For them to be in arithmetic progression these two values must be -1 and +1 and for the prime to be positive the other number must be -3.
- (ii) Since $n!$ is divisible by r for $z \leq r \leq n$, $(n! + r)$ is also divisible by r and the number of divisors is $n - 1$. Thus there is a sequence of 1000 consecutive non-prime numbers starting with $1001! + 2$ and continuing up to $1001! + 1001$.

This month we have our first probability puzzle:

A Rook and a Bishop are placed at random on an otherwise bare chessboard. What is the probability that one piece threatens the other?

II. 3600

Unsaving

An UNSAVE macro has been added to the DAD system. A logical unit which has been saved by SV in an EQUIP statement, or by the macro request:

SAVE (lun)

or by the subroutine call:

CALL SAVE (lun)

may have this request cancelled by the macro request:

UNSAVE (lun)

or by the subroutine call:

CALL UNSAVE (lun)