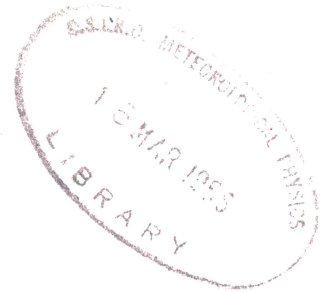<u>C.S.I.R.O. COMPUTING RESEARCH SECTION</u>

<u>NEWSLETTER No. 9 - 1.2.66</u>

I. GENERAL

Distribution of Section Publications

The number of copies of the Newsletter being duplicated is now above 1000 for each issue and it has been decided to implement further automatic mailing procedures. Readers may remember that some months ago we introduced an Addressograph system. This has been generally satisfactory but not as flexible as we require. We also intend to include in the revised mailing system other Section publications. So far only the Newsletters have been distributed in this way.

This system will commence with the issue of Newsletter No. 12 on the 1st of May, 1966. Prior to this Newsletters Nos. 10 and 11 will contain a comprehensive form, to be completed and returned, containing information on the user's name, address and type and number of publications required. Only those people who return the forms will receive the regular despatch of Newsletters, Manual Supplements, etc. after April, 1966.

Australian Computer Conference, Canberra, 1966

Registration for this conference closes on the 1st March, 1966. Leaflets containing general information and registration forms are available from your local C.R.S. centre.

Staff

Mr. C.E. Wallington and Dr. M.B. Clowes have been appointed to the Section as Principal and Senior Research Staff Scientists respectively. Mr. Wallington is mainly interested in meteorological problems while it is expected that Dr. Clowes will be interested in applications of the VISTA system.

Official Telegrams

There has been some delay recently in the receipt of telegrams because they have been addressed to an individual C/- CORESEARCH, Canberra. These telegrams have been delivered by hand and not put through to our teleprinter as according to P.M.G. regulations messages addressed to an individual must be delivered to the addressee as addressed.

To have official telegrams put through our teleprinter (which will then be 'phoned through to the addressee) they must be addressed as follows:-

        (1) CORESEARCH Canberra for so and so

or (2) CORESEARCH Canberra Attention so and so

or (3) So and so Care Telex 62003 Canberra.

II. 3600

New Publications

Manual Supplement No. 20:

Supplement to Michigan State University Statistical Program Descriptions. (Ref. M.S.U. A.E.S. Programs 1-15, and C.R.S. Manual Supplement No. 2). G.S. Masters, November 1965.

Manual Supplement No. 22:

3400/3600 FORTRAN REFERENCE MANUAL (Ref. Pub. No. 60132900). D.J. Langridge, January 1966.

Critical Path Program

The 7090 Critical Path and Mass Scheduling Program SHARE # HØ RØ 8001 has been adapted to run on the 3600 using overlays. This CPM program allows manpower restraints and produces craft reports. It uses four magnetic tapes plus the system and overlay tape, and allows creation and updating of a problem data master tape. For further details contact D.C. Knight, C.R.S., Adelaide, 'phone 235511.

Visit to Canberra of Professor Fox

Professor L. Fox the Director of the Oxford University Computing Laboratory will be visiting Canberra in April. His probable programme of lectures, etc. will be:

Monday   4th April : Public Lecture A.N.U. –
                   "Numerical Analysis in a Mathematics Syllabus"

Tuesday   5th April : Evening Lecture to the Australian Computer Society, Canberra Branch –

                   "Numerical Analysis for Scientists"

Wednesday 6th April : Seminar at 3.00 p.m., Computing Research Section –
                   "Errors in Digital Computations"

Seminars and Courses

A seminar on "List Processing" will be given by Dr. W.M. Waite, University of Sydney on Thursday, February 24th at 3.30 p.m. at the Computer Building.

A one-day seminar-workshop on "Data and Program Files on Magnetic Tape" will be held on February 25th in the Computer Building starting at 10.30 a.m.

Experienced users will realise the convenience and savings in time which result in the use of magnetic tape as a storage medium. User groups who have large amounts of data or large numbers of standard programs have already been using magnetic tape systems. Resulting from this experience the C.R.S. has evolved a system which can be used to create, copy, insert, etc. either program or data files on magnetic tape. This system will be described and practical examples will be given during the workshop period.

Basic Fortran Course

February 28th – 4th March.

Enquiries J.S. Armstrong, 'phone 40455, Ext. 519.

III. 3200

New Publications

Subroutine Write-ups

I5   CSIR   CRGATE   405/3248 Card Reader/Controller Gating.
K3   CSIR   MTDENS   Magnetic Tape Density Setting Routine.
K3   CSIR   IOMAGT   Magnetic Tape Control Routines.

D.C. Knight, C.R.S. Adelaide.

Loadmain Routine

A LOADMAIN routine is now available for 3200 overlay users. The main program can be written on to the overlay tape by putting the logical unit number on the MAIN loader control card. The main program can be loaded into store and executed at a later date, by the use of the SCOPE control card $^7_9$ LOADMAIN, u where u is the logical unit number of the overlay tape. This control card does not require a $^7_9$ RUN card to follow. For further details contact D.C. Knight, C.R.S. Adelaide, 'phone 235511.

Amendment to Technical Note No. 15

Will you please amend this Technical Note, page 4, to read:

```
COMMON/DATA/WLIT
TYPE INT 48(2) WLIT
DATA (WLIT = 8R ABCDEFGH)
EQUIVALENCE (TLIT, WLIT)
WRITE (61,f) TLIT
etc. ......
```

ADELAIDE   A two-day seminar on "Computing in the CSIRO" will be held in Adelaide on the 9th and 10th February and not on the 8th/9th as previously advised. Details from D.C. Knight, C.R.S., Adelaide, 'phone 235511.

MELBOURNE   A one-day seminar on "Computing in the CSIRO" will be held at CSIRO, Parkville on February 18th. Details from J.J. Russell, C.R.S. Melbourne, 'phone 5446757 or J.S. Armstrong, C.R.S. Canberra, 'phone 40455 Ext. 519.

SYDNEY   Programming Course   A basic Fortran course will be held during the week March 14th-18th. Details from C. Gray, C.R.S.,