Signal Name	SK2 Name and Pin No.	Cannon Pin No.
Chassis Ground	-	1
Data in V24	RS232 in (2)	2
Data out V24	RS232 out (14)	3
Request to send (RTS)	Generated by terminal	4
Clear to send (CTS)	-	5
Data set Ready (DSR)	-	6
Ov (Ground)	RS232 Com (8)	7
Carrier Detect	-	8
20mA input -ve	KBD - (4)	10
20mA output +ve	PTR + (12)	16
20mA output - ve	PTR - (11)	17
Reader step -ve	-	18
Reader step +ve	-	19
Data Terminal Ready (DTR)	Generated by terminal	20
20mA Input +ve	KBD + (5)	24

We have included a number of signals which are not generated by the Nascom-1 for your information and to aid standardisation. You can interface a relay to the PIO to provide reader step if required.

Because the Nascom keyboard users non-standard values for newline (1FH), you will need to patch $KBD (ØC4DH) and $CRT (ØC4AH) to generate carriage returns and line feed (ØDH and ØAH) in place of newline on output, and replace them with newline on input. Don't forget that you may also need to ignore parity on input and generate it on output, depending on the terminal you are using.

You may like to take special action on receipt of a backspace (Nascom 1DH to ASC11 Ø8H) or formfeed (Nascom 1EH to ASC11 ØCH). (See also the software listing for a printer driver).

Software

Cassette Loading

As most of you probably know by now, the original version of Nasbug had an error which resulted in a high error rate when loading cassette tapes. A patch to correct this was sent to all INMC members sometime ago. However, a number of people appear not to have received this so we are re-publishing it as part of this newsletter (see below).

Nasbug version T2 has been modified to incorporate this patch and all kits sent out since early July already have this modification included. If you have an old version of Nasbug, you can send it back to us, enclosing £1.00 and we will reprogram it for you to bring it up to the T2 standard.