# G   *Annotated uucico Debug Output*

If you are having difficulties with UUCP, you can execute **uucico** directly to examine detailed debugging information. This appendix contains sample annotated output of the command **/usr/lib/uucp/uucico -r1 -x6 -s**rhino.

This command executes **uucico** at debug level **6** to the remote site *rhino*. For more information, see the UNIX manual page for **uucico**.

| | |
|---|---|
| `root rhino (7/18-09:26-4187) DEBUG (Local Enabled)` | Time stamp, noting debugging. |
| `finds (rhino) called` | Found system **rhino**. |
| `getto: call no. cua for sys rhino` | No phone number found for **rhino**. |
| `Using DIR to call` | Using a direct connection. |
| `Opening /dev/cufa` | Using **/dev/cufa**. |
| `login called` | Beginning login sequence from **L.sys**. |
| `ABORT ON: BUSY` | Abort enabled (abort call if ªBUSYº received). |
| `wanted """"` | Wanted nothing. |
| `got: that` | Received what was expected. |
| `send "AT"` | Sending the AT command. |
| `wanted "OK~3"` | Wait 3 seconds for ªOK.º |
| `AT` | Modem echoes ªAT.º |
| `OKgot: that` | Received ªOKº from modem, as expected. |
| `send "ATX3s50=255"` | Send more modem commands. |
| `wanted "OK~3"` | Wait 3 seconds for acknowledgment. |

```
>ATX3s50=255
OKgot: that
send "ATdt9w1-800-555-1212"
wanted "CONNECT~80"

>ATdt9w1-800-555-1212
CONNECTgot: that


send "PAUSE"
wanted "ogin:~15"
FAST/UUCP/COMP


NeXT Mach (rhino) (ttyda)



rhino login:got: that
send "Umyhost"
wanted "ssword:~10"
Umyhost
Password:got: that
send "a5c#.9jq@Z"
root rhino (7/18-09:27-4187) SUCCEEDED (call to rhino)
imsg looking for SYNC<
\20>


imsg input<Shere=rhino\0>got 11 characters
omsg <Smyhost -Q0 -x6>


imsg looking for SYNC<
\20>
imsg input<ROK\0>got 3 characters
msg-ROK
Rmtname rhino, Role MASTER,  Ifn - 5, Loginuser - root
rmesg - 'P' imsg looking for SYNC<\20>
imsg input<Ptfg\0>got 4 characters
got Ptfg
wmesg 'U' g
```

The > is the modem prompt.

Dial the phone number.
Wait 80 seconds for ªCONNECT.º

Received ªCONNECTº from modem, as expected.
Wait 3 seconds.
Wait 15 seconds for login prompt.
Part of the modem's connect message.

Prompt sequence begins. If it hadn't, might have sent a newline (CR), or a BREAK.

Got a prompt (ªogin:º).
Log in by sending user name and password.

Completed dialog from **L.sys**.
Looking for an initial greeting from remote UUCP (all before the normal data transmission protocol starts).
What was received.
Sending this back, identifying ourselves, at debug level 6.
Looking for an acknowledgment of receipt.

Got the acknowledgment.

Initial connection complete.
Begin negotiating data transfer protocol.
Remote sends ªPtfg.º
Remote knows these protocols.
Want the ªgº protocol (dial-up serial line).

```
omsg <Ug>
Proto started g                                              Starting the ªgº protocol.
protocol g
root rhino (7/18-09:27-4187) OK (startup cufa 19200 baud)    Protocol startup message.
*** TOP ***  -  role=MASTER                                  Starting up, in master role.
wmesg 'H'                                                    Nothing to send; does the remote have anything?
rmesg - 'H' got HY
PROCESS: msg - HY
HUP:
wmesg 'H' Y
cntrl - 0                                                    Nothing on the remote; shut down.
root rhino (7/18-09:27-4187) OK (conversation complete)      Termination message.
send OO 0,omsg <OOOOOO>                                      Cleanly shutting down.
imsg looking for SYNC<\20>
imsg input<   \10*"    \20>
imsg input<   \10*"    \20>
imsg input<   "*\10    \20>
imsg input<   "*\10    \20>
imsg input<OOOOOO\0>got 6 characters                         Connection shutdown complete.
```