

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 -srhino**.

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)
finds (rhino) called
getto: call no. cua for sys rhino
Using DIR to call
Opening /dev/cufa
login called
ABORT ON: BUSY
wanted ""
got: that
send "AT"
wanted "OK~3"
AT
OKgot: that
send "ATX3s50=255"
wanted "OK~3"
```

Time stamp, noting debugging.
Found system **rhino**.
No phone number found for **rhino**.
Using a direct connection.
Using **/dev/cufa**.
Beginning login sequence from **L.sys**.
Abort enabled (abort call if ^aBUSY^o received).
Wanted nothing.
Received what was expected.
Sending the AT command.
Wait 3 seconds for ^aOK.^o
Modem echoes ^aAT.^o
Received ^aOK^o from modem, as expected.
Send more modem commands.
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) SUCCEDEED (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
rmsg - 'P' imsg looking for SYNC<\20>
imsg input<Ptfg\0>got 4 characters
got Ptfq
wmsg 'U' g
```

The > is the modem prompt.

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

Received ^aCONNECT^o 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 ^aPtfq.^o
Remote knows these protocols.
Want the ^ag^o protocol (dial-up serial line).

```
omsg <Ug>
Proto started g
protocol g
root rhino (7/18-09:27-4187) OK (startup cufa 19200 baud)
*** TOP *** - role=MASTER

wmesg 'H'
rmsg - 'H' got HY
PROCESS: msg - HY
HUP:
wmesg 'H' Y

cntrl - 0

root rhino (7/18-09:27-4187) OK (conversation complete)
send OO 0,omsg <000000>
imsg looking for SYNC<\20>
imsg input<  \10*"  \20>
imsg input<  \10*"  \20>
imsg input<  "*\10  \20>
imsg input<  "*\10  \20>
imsg input<000000\0>got 6 characters
```

Starting the ^ag^o protocol.

Protocol startup message.

Starting up, in master role.

Nothing to send; does the remote have anything?

Nothing on the remote; shut down.

Termination message.

Cleanly shutting down.

Connection shutdown complete.