A-TRACK Release 2.2 - Screenshots

Following several less-than-successful attempts to capture and convert live video from a real Atari 800XL, the following screen views were generated using the Atari XL/XE emulator Atari800Win (version 2.6c) developed by Richard Lawrence, running under Windows 2000.

1   Initial Load

This banner is shown when ATRACK.COM is run (see Section 4.1 of the User Guide), and the A-TRACK program is loading –

Once loading is complete, the initial version of the List Screen is displayed, still showing the A-TRACK banner and offering to load the demonstration Item List, ATRKDEMO.ITL –

2 List Screen

Rather than follow the demonstration sequence described in Section 4.2 of the User Guide, the Item List filename is changed here to REALITEM.ITL –

and a real Item List is loaded. The List Screen below (User Guide Section 5) shows the state after answering the initial program prompts, with no Items under active control. Note that the mouse cursor arrow is absent since the emulator does not support real joystick ports, and A-TRACK does not, therefore, detect any mouse connected –

3   Control Screen

Scrolling down to select Item 13, the DRGW 2-6-0 Mogul fitted with a Digitrax DN142 decoder –

```
A-TRACK : Digital Command Control 2.2E
A DS% L1234 T Ad  Description      013 Cot
   -00            L5310 DH84FXMcA BR Class 26
   -00            L-014 DH84CAC Santa Fe GP50
   -00            L-019 Digitrax DH83F Walker
   -00            L-085 Wangrow  DH-155   DMcA
   -00            L-033 ZTC-202 Decoder #1
   -00            L-012 ZTC202 #2 BR Class 08
   -00            L-018 DZ120 Gandy Dancer
   -00            L9420 DH121 BR 0-6-0 Tank
   -00            C-066 Trial Consist
   -00            L9793 DH142 250-Ton Crane
   -00            L0464 DN140 GE44 Switcher
   -00            L2011 DN142 DRGW Shay
   -00            L2917 DN142 DRGW 2-6-0Mogul
   -00            L2014 DH121 Westside Shay
   -00            L0060 DZ121 CP 4-4-0 Amr'cn
   -00            L4301 DZ121 0-6-0 SaddleTank
   -00            L-003 * Blank CVs *
   ---            A-260 Wangrow SM-104
Status: OK - 00 Commands Active
```

- and hitting Return, displays the Control Screen (User Guide Section 6). This is shown below after the locomotive has been assigned to be controlled from Base (the Atari console), has had its headlight switched on (FL), and has been accelerated to 48% of full speed (F48) by clicking on U2 several times -

```
A-TRACK : Digital Command Control 2.2E
  Assignment    Speed       Function 013 Cot
   None      U6 +32     FL
   Base      U5 +16
             U4 +8          F1 ]
   H1   Rd   U3 +4          F2 ]
   H2   Ye   U2 +2          F3 ]
   H3   Gn   U1 +1          F4 ]
   H4   Bu   Stop           F5 ]
   H5   Vi   D1 -1          F6 ]
   H6   Gy   D2 -2          F7 ]
   H7   Wh   D3 -4          F8 ]
   H8   Bk   D4 -8
             D5 -16         P028
   Cnst      D6 -32         P128
                              F48
Status: OK - 04 Commands Active
```

Again, a mouse cursor would normally be visible and, if a Handheld Controller Network had been connected to Joystick Port 2 (and detected by A-TRACK), it would also be possible to assign the locomotive to one of the Handheld Controllers (H1 to H8).

4 List Screen with Active Item

Pressing the ESC key on the Control Screen returns to the List Screen, now showing the active state of Item 13 (assigned to Base, travelling Forward at 48%, Headlight on) -

```
A-TRACK : Digital Command Control 2.2E
A DS% L1234 T Ad  Description      013 Co†
   -00         L5310 DH84FXMcA BR Class 26
   -00         L-014 DH84CAC Santa Fe GP50
   -00         L-019 Digitrax DH83F Walker
   -00         L-085 Wangrow   DH-155   DMcA
   -00         L-033 ZTC-202 Decoder #1
   -00         L-012 ZTC202 #2 BR Class 08
   -00         L-018 DZ120 Gandy Dancer
   -00         L9420 DH121 BR 0-6-0 Tank
   -00         C-066 Trial Consist
   -00         L9793 DH142 250-Ton Crane
   -00         L0464 DN140 GE44 Switcher
   -00         L2011 DN142 DRGW Shay
3  F48 *       L2917 DN142 DRGW 2-6-0Mogul
   -00         L2014 DH121 Westside Shay
   -00         L0060 DZ121 CP 4-4-0 Amr'cn
   -00         L4301 DZ121 0-6-0 SaddleTank
   -00         L-003 * Blank CVs *
   ---         A-260 Wangrow SM-104
Status: OK - 04 Commands Active
```

Moving the screen cursor right to highlight the Item Description -

```
A-TRACK : Digital Command Control 2.2E
A DS% L1234 T Ad  Description      013 Co†
   -00         L5310 DH84FXMcA BR Class 26
   -00         L-014 DH84CAC Santa Fe GP50
   -00         L-019 Digitrax DH83F Walker
   -00         L-085 Wangrow   DH-155   DMcA
   -00         L-033 ZTC-202 Decoder #1
   -00         L-012 ZTC202 #2 BR Class 08
   -00         L-018 DZ120 Gandy Dancer
   -00         L9420 DH121 BR 0-6-0 Tank
   -00         C-066 Trial Consist
   -00         L9793 DH142 250-Ton Crane
   -00         L0464 DN140 GE44 Switcher
   -00         L2011 DN142 DRGW Shay
B  F48 *       L2917 DN142 DRGW 2-6-0Mogul
   -00         L2014 DH121 Westside Shay
   -00         L0060 DZ121 CP 4-4-0 Amr'cn
   -00         L4301 DZ121 0-6-0 SaddleTank
   -00         L-003 * Blank CVs *
   ---         A-260 Wangrow SM-104
Status: OK - 04 Commands Active
```

 - and hitting Return, should bring up the Program/Verify Screen. However, since there is an Item under active control, A-TRACK will not permit any editing of Item Configuration Variables, and an error message is displayed as shown below –

The error message is cleared by hitting ESC, then the active locomotive is stopped and de-assigned using the Control Screen, before returning to the List Screen to try selection of the item again for Program/Verify operations -

5   Program/Verify Screen

Pressing Return with an Item Description highlighted leads, after answering the series of prompts described in Section 7 of the User Guide, to the Program/Verify Screen –

This screen lists the values of all of the Configuration Variables associated with the DCC decoder fitted in the selected Item. As each CV number-value is highlighted by use of the cursor keys, or mouse click (or by typing the number), a description of that CV is displayed on the screen Status Row, as shown above and in the following two screen shots -

The CV29 value selected above represents the key operating characteristics of the decoder, and must be set, together with a unique Primary Address in CV01, before

attempting to program any subsidiary values such as the Speed Table (CV67 to CV94) as shown below –

```
A-TRACK : Digital Command Control 2.2E
Config Variables: Number-Value 013 Pot
01-11 17-CB 33-00 49-00 65-01 81-BC
02-00 18-65 34-00 50-00 66-00 82-C4
03-00 19-00 35-00 51-00 67-10 83-CC
04-00 20-00 36-00 52-00 68-20 84-D2
05-00 21-00 37-00 53-00 69-30 85-D8
06-00 22-00 38-00 54-00 70-40 86-DE
07-F9 23-00 39-00 55-80 71-4E 87-E4
08-81 24-00 40-00 56-30 72-5C 88-E8
09-00 25-00 41-00 57-00 73-6A 89-EC
10-00 26-00 42-00 58-00 74-76 90-F0
11-00 27-00 43-00 59-00 75-82 91-F4
12-00 28-00 44-00 60-00 76-8E 92-F8
13-00 29-36 45-00 61-00 77-98 93-FC
14-00 30-00 46-00 62-00 78-A2 94-FF
15-00 31-00 47-00 63-00 79-AC 95-00
16-00 32-00 48-00 64-80 80-B4 96-00

Loco         <DN142 DRGW 2-6-0Mogul  >
Speed Table 08
```

The CV value highlighted can then be edited by hitting Return (or double clicking it) as described in the User Guide Section 7.2.

6   Menu

Access to the A-TRACK Function and Operation Menu is by pressing the Atari (Inverse) key, giving the result shown below –

```
File       Edit     Cmnd     Quit
New        Load     Save     Dir         Config
A DS% L1234 T Ad    Description       001 Cot
   -00       L5310  DH84FXMcA BR Class 26
   -00       L-014  DH84CAC Santa Fe GP50
   -00       L-019  Digitrax DH83F Walker
   -00       L-085  Wangrow  DH-155   DMcA
   -00       L-033  ZTC-202 Decoder #1
   -00       L-012  ZTC202 #2 BR Class 08
   -00       L-018  DZ120 Gandy Dancer
   -00       L9420  DH121 BR 0-6-0 Tank
   -00       C-066  Trial Consist
   -00       L9793  DH142 250-Ton Crane
   -00       L0464  DN140 GE44 Switcher
   -00       L2011  DN142 DRGW Shay
   -00       L2917  DN142 DRGW 2-6-0Mogul
   -00       L2014  DH121 Westside Shay
   -00       L0060  DZ121 CP 4-4-0 Amr'cn
   -00       L4301  DZ121 0-6-0 SaddleTank
   -00       L-003  * Blank CVs *
   ---       A-260  Wangrow SM-104

Status: OK - 00 Commands Active
```

- where the File Menu is highlighted on the top row of the screen, with its constituent functions displayed on the second row. Details of all the Menu operations can be found in Section 8 of the User Guide. Pressing Return or the 'F' key brings the second-row

functions on to the top screen row where they can be selected as required either by moving the highlight cursor to them and hitting Return, by using the mouse, or by typing their initial letter. Activating the **Dir** function and accepting the default path of D1:*.*, by hitting Return again, results in the following screen display -

 - showing the contents of the loaded disk image ATRK22SD.ATS (SpartaDOS 3.2).