## CLAIMS

1. An infant care apparatus comprising:

an infant holder;

a multiple axis drive section coupled to the infant holder and having motors configured to generate a motion of the infant holder, the motion is a multiple degree of freedom motion where at least one axis of the motion is a Z-axis motion;

a biometric sensor configured to observe at least one characteristic of an infant within the infant holder; and

a controller configured to employ a neural network or state machine that is communicably coupled to the biometric sensor and the multiple axis drive section, where the controller registers sensor data from the biometric sensor and effects, through the neural network or the state machine, a change in one or more of an action of the infant holder and the motion of the infant holder.

2. The infant care apparatus of claim 1, wherein the biometric sensor is configured to generate a sensor signal embodying the at least one characteristic of the infant, where the at least one characteristic is one or more of an action characteristic of the infant and a motion characteristic of the infant.

3. The infant care apparatus of claim 1, wherein the controller is configured to send a command to the motors based on the sensor data of the at least one characteristic sensed by the sensor.

4. The infant care apparatus of claim 1, wherein the controller generates a responsive change in the one or more of the action and the motion of the infant holder based on a change in one or more of an action characteristic of the infant and a motion characteristic of the infant sensed by the biometric sensor.

5. The infant care apparatus of claim 4, wherein the controller is configured to generate indicia to identify the responsive change in the one or more of the action and the motion of the infant holder.

6. The infant care apparatus of claim 5, wherein the indicia is one or more of aural indicia and visual indicia.

7. The infant care apparatus of claim 4, wherein the controller is configured to generate indicia to identify the change in one or more of the action characteristic of the infant and the motion characteristic of the infant sensed by the biometric sensor.

8. The infant care apparatus of claim 7, wherein the indicia is one or more of aural indicia and visual indicia.

9. The infant care apparatus of claim 1, wherein the biometric sensor comprises one or more of a vision sensor, a heat-based sensor, an audio sensor, a motion sensor, and a biometric sensor.

10. The infant care apparatus of claim 1, wherein the biometric sensor comprises a wearable health device.

11. The infant care apparatus of claim 1, wherein the drive section is configured to provide more than one degree of freedom motion to the infant holder.

12. A method for infant care with an infant care apparatus, the method comprising:

providing an infant holder;

providing a multiple axis drive section coupled to the infant holder and having motors configured to generate a motion of the infant holder, the motion is a multiple degree of freedom motion where at least one axis of the motion is a Z-axis motion;

observing, with a biometric sensor, at least one characteristic of an infant within the infant holder; and

registering, with a controller configured for employing a neural network or state machine, sensor data from the sensor and effecting, with the neural network or state machine, a change in one or more of an action of the infant holder and the motion of the infant holder.

13. The method of claim 12, wherein the biometric sensor generates a sensor signal embodying the at least one characteristic of the infant, where the at least one characteristic is one or more of an action characteristic of the infant and a motion characteristic of the infant.

14. The method of claim 12, wherein the controller sends a command to the motors based on the sensor data of the at least one characteristic sensed by the biometric sensor.

15. The method of claim 12, wherein the controller generates a responsive change in the one or more of the action and the motion of the infant holder based on a change in one or more of an action characteristic of the infant and a motion characteristic of the infant sensed by the biometric sensor.

16. The method of claim 15, wherein the controller generates indicia to identify the responsive change in the one or more of the action and the motion of the infant holder.

17. The method of claim 15, wherein the controller is configured to generate indicia to identify the change in one or more of the action characteristic of the infant and the motion characteristic of the infant sensed by the biometric sensor.

18. The method of claim 12, wherein the biometric sensor comprises one or more of a vision sensor, a heat-based sensor, an audio sensor, a motion sensor, and a biometric sensor.

19. The method of claim 12, wherein the biometric sensor comprises a wearable health device.

20. The method of claim 12, wherein the drive section provides more than one degree of freedom motion to the infant holder.

21. An infant care apparatus comprising:

an infant holder;

a multiple axis drive section coupled to the infant holder, the drive section includes motors configured to generate a motion of the infant holder, the motion is a multiple degree of freedom motion where at least one axis of the motion is a Z-axis motion;

a closed loop control system communicably coupled to the multiple axis drive section, the closed loop control system comprising:

at least one biometric sensor configured to observe an active characteristic of an infant within the infant holder, and

a controller configured to employ a neural network or state machine that is communicably coupled to the at least one biometric sensor and the drive section, the controller being configured to register a change in the active characteristic of the infant sensed by the at least one biometric sensor and generate, through the neural network or state machine, a responsive change in one or more of an action of the infant holder and the motion of the infant holder based on the change in the active characteristic of the infant.

22. The infant care apparatus of claim 21, wherein the controller is configured to generate indicia to identify the change in one or more of the action characteristic of the infant and the motion characteristic of the infant sensed by the at least one biometric sensor.