The big question:
• humans naturally interact with an embodied robot

• is the physical nature ultimately important, or will a person have identical reactions to an equivalently programmed 3-D graphical agent?

MIT’s role: provide a physically embodied robot that can enter into dynamic interactions with a person.

NTT’s role: measure the physiological response of people interacting with the robot and interacting with a 3-D graphical agent and compare them.
Project #NTT9904-01: Human-Robot Dynamic Social Interaction

Rodney Brooks

Progress Through December 1999

- Completed the internal design of new Kismet
- Fabricated the first prototype
- Designed a portable control system for new Kismet
Research Plan for the Next Six Months

• Design the new system for facial expressions

• Fabricate an instance of the new control system

• Build the first instance of the facial expression system

• Develop a software library to run new Kismet