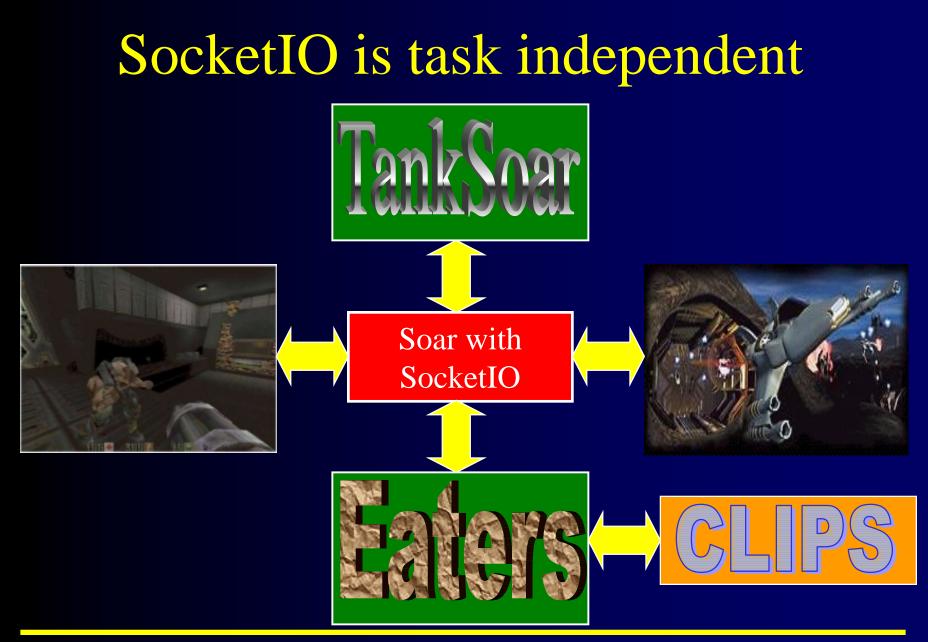
SocketIO and You

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Who are You?

- You are someone who:
 - maintains many environment interfaces
 - don't want to redo each interface for new versions of Soar



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19th Soar Workshop

Who are You?

- You are someone who:
 - maintains many environment interfaces
 - don't want to redo each interface for new versions of Soar
 - needs to run Soar and environment on separate machines
 - speed
 - accurate timing
 - cross platform
 - wants a general interface for multiple architectures
 - is more comfortable with C than Tcl/Tk

What is SocketIO

- Combines two interface technologies
- Domain independent interface language
 - sending info to input-link
 - reading info from output-link
- Code to send language over a socket
 - Soar executable with built in socket code
 - Socket code to plug into environment side

What do You have to do?

- Soar with SocketIO executable needs no modification
- Interface with Environment-side code
 - C or Tcl code to be included in your environment
 - API for sending info to Soar and reading info from Soar

Current Status

- Windows 95/98/NT: Working
 - Used in Soar/Games project
 - Well tested (may still be a few bugs)
 - Code is "self documenting"
- Linux and Unix: Working?
 - Code is finished
 - Hasn't been tested
- MacOS: Not Working
 - Lack of multi-threading?
- http://ftp.eecs.umich.edu/~soar/socketio/index.html