

HOW TO SOLVE
THE CHRISTMAS SHOPPING & HOLIDAY ENTERTAINING PROBLEMS
IN A SINGLE, BRILLIANTLY CREATIVE STROKE

Add a robot to your family.

An RB5X personal robot is probably one of the most genuinely fascinating and unique Christmas gifts you'll ever get for your family. And few other gifts have such broad appeal to every family member.

YOUNGER CHILDREN LOVE ROBOTS

- + Younger children are fascinated with robots, and simple robot games are available that will give them and their friends hours of fun. Younger children are inclined to quickly tire of toys, but they won't tire of RB. Since it's programmable, RB's functions can be endlessly varied. For the younger child, RB is truly a toy of infinite variety.

OLDER CHILDREN & STUDENTS LOVE ROBOTS

- + RB5X promises endless hours of fascination to older children and students too. They can program the robot themselves, using very simple Robot Control Language (TM), or higher level computer languages. In the process of imposing their will on RB, they'll learn a great deal about computer programming and robotics, skills that will help to prepare them for the sophisticated electronic world they will grow up in.
- + Robots can make computers much more fun and provide a real incentive to learn programming. The results of programming aren't limited to abstractions on a screen or printout; instead, they can be seen and heard in the actions of a mobile, animated mechanism.

MOTHERS LOVE ROBOTS

- + Add the vacuum cleaner option to RB5X and the robot can take over much of the daily floor care chore. The vacuuming attachment comes with a floor layout self-learning program that will quickly familiarize RB with

your floor plan and permit an organized approach to vacuuming while you're sleeping or away at work. Don't like to sweep basement or garage floors? RB doesn't mind.

FATHERS LOVE ROBOTS

- + An earlier generation of fathers bought electric train sets for their children at Christmas, became fascinated with them, and often ended up playing with them as much as their kids did. If your father ever did that, you're guaranteed to sympathize with how he felt when you introduce your own kids to robotics.
- + You'll find that a personal robot will greatly extend the creative possibilities of your home computer. Most home computers can only express themselves on screens and printouts; but a personal robot permits them to express themselves in mobility and physical functionality. Your home computer can't come into the bedroom in the morning, cheerfully awaken you, and hand you a cup of hot coffee.

ROBOTS LOVE TO ENTERTAIN HUMANS

- + Between Christmas and New Year's, RB will keep your entire family fascinated, as well as all the kids in the neighborhood (and probably their parents as well.)
- + The week between Christmas and New Year's will give you an opportunity to get to know RB and experiment with creative programming. By New Year's Eve, you'll have had time to program RB for a singular party performance -- the fun starts at the stroke of midnight when RB raises his cocktail glass and begins singing "Auld Lang Syne."

PET CARE

- Feed pets when owner is away from home
- Feed fish
- Walk/exercise pets
- Open & close door for pets
- Use for Pavlovian pet training
- Nutritional planning for pets; optimum balance of calories & nutrients

HEALTH CARE

- Monitor infants at night (crib death)
- Biofeedback
- Robot capable of administering CPR
- Drug analysis (e.g., Tylenol)
- Programmed poison control and analysis
- Talking first aid analyst & advisor
- Health monitoring for the elderly
- Monitor stress levels
- Physical exercise robot -- leads exercises, provides hardware and feedback

SUPPORT FOR THE DISABLED

- Talking books for the blind
- Companionship for the elderly
- Communication facilitator: voice actuated phone/dialing; normal speech through voice synthesizer; easier access to 911
- Nursing care
- voice actuated appliance control
- Step n' Fetchit

SECURITY ENHANCEMENT

- Monitor infants
- Monitor stress levels
- Food spoilage tester
- Assurance of nutritionally balanced meals
- Check locks at night; lock doors if open
- Fire detection & fighting
- Visitor recognition system at door, e.g., voice print
- Monitor children's accessibility to poisonous substances
- Turn lights off & on when away from home

OUTSIDE THE HOUSE

- Snow removal
- Control proper lawn watering; not too much, not too little
- Lawn mowing

OUTSIDE THE HOUSE (continued)

- Leaf raking
- Lawn & garden soil testing and maintenance of chemical balance
- Cut/split/stack firewood
- Clean gutters
- Wash cars
- Warm up car before driving it
- Grease car, change oil

PERSONAL CARE

- Personal beautician: trim nails, wash hair
- Dry you off after showering
- Back massage. Talk to you while massaging

EDUCATION

- Educational tutoring for students
- Home tutorial programs: super-learning, speed reading -- with adjustable speed based on advancing user competency

HOUSEHOLD CLEANING

- Wash windows, mirrors
- vacuuming
- Dust horizontal surfaces
- Oil & polish wood
- Upholstery care
- Bathe kids & dogs
- Clean/paint walls
- Clean venetian blinds
- Exterior siding maintenance
- Do laundry
- Mobile clothes hamper
- dispose of animal waste
- Make beds
- Trash disposal
- Polish silver, copper, brass
- Clean oven
- Chimney cleaning
- Empty ashtrays
- Clean toilets
- Clean up fireplace ashes
- Floor scrubbing & polishing

ENTERTAINMENT

- Party aid: jokes, puns, dances, mingling
- Game partner: chess, checkers, go -- programmable at various skill levels
- House photographer at parties
- Educate children while entertaining them
- Talking books for the blind
- Companionship for the elderly
- Astronomy show & tell robot
- Create poetry
- Carry on a conversation at your intelligence level
- Party host -- help take over some of the host chores

FOOD MANAGEMENT & KITCHEN ORGANIZATION

- Maintain running list of foods in the home and quantities on hand
- Maintain running list of foods that need to be purchased
- Presentation of menu options based on the food that is on hand
- FIFO food storage & retrieval
- Fetch beers
- Retrieve frozen food for thawing before cooking
- Put away groceries
- Rotate food stocks
- Identify where to obtain exotic/specialty foods
- Develop schedules of nutritionally balanced meals
- Put cookbooks on the computer, e.g., Joy of Cooking
- Recycle cans/glass/paper
- Empty dishwasher & store dishes
- Specific EPROMS for cooking specific dishes, e.g., making pancakes
- Make coffee, popcorn
- Prepare home-cooked meals from scratch
- Automated food preservation: canning, drying, freezing
- Computerized food ordering/grocery shopping
- Clear dishes off table after dining

MISCELLANEOUS

- Someone to ask, "Is there anything I can do for you?"
- Someone to deal with restaurant maitre d's
- Clean eyeglasses
- Personal phone call monitoring
- Identify sources of drafts in the home (energy management)
- Husband monitoring
- Indoor plant management
- Sing you to sleep

MISCELLANEOUS (continued)

- Write letters to your family
- Personal chauffer
- Take care of travel reservations & currency conversion
- Personal butler/valet/servant: answer door, serve drinks & meals, lay out coordinated clothing, polish shoes, sew on buttons, ironing, greet & dismiss guests
- Handle door-to-door & phone solicitors
- Kill all sharks in swimming areas
- Mat, frame & hang pictures
- Pick up mail from mailbox
- Change lightbulbs
- Change faucet washers
- "Morning aide": alarm clock & physical contact wakeup, serve coffee, draw bath, give weather report
- Robot sump pump, flooding monitor
- Mobile breathylizer
- Telephone answerer
- TV antenna control
- Robot-to-robot worldwide ham radio network
- Male & female robots
- Robotic pest control
- Wrap gifts, garbage
- Mobile photocopier
- Flood forecasting
- Build fires in fireplace, light, add logs
- Disappear the conventional telephone -- all calls through voice command robot
- Optimize management of hydroponic gardens
- Robot bartender
- Tennis partner
- Swimming pool/hot tub maintenance; prepare hot tub for use
- Pool table maintenance/chalk cue sticks
- Manage household air quality
- Organize closets
- Hang up clothes
- Take out garbage
- Paint house

ORGANIZATION & SCREENING OF INFORMATION

- Aid in planning budgets; manipulation of budget variables
- Payment of routine bills
- Keep notes on lists of things to be done; organize by priority and category
- "Information Butler": updated conversation on topics of

ORGANIZATION/SCREENING OF INFORMATION (continued)

individual interest (community events, weather information, stock quotations, astrological forecasts, news synopsis, book & movie reviews, sports scores, Wall St. Journal)

- Shift petty memorization tasks to robot; free up your mind
- Keep track of household preventive maintenance scheduling
- File organizer
- Scrapbook organizer