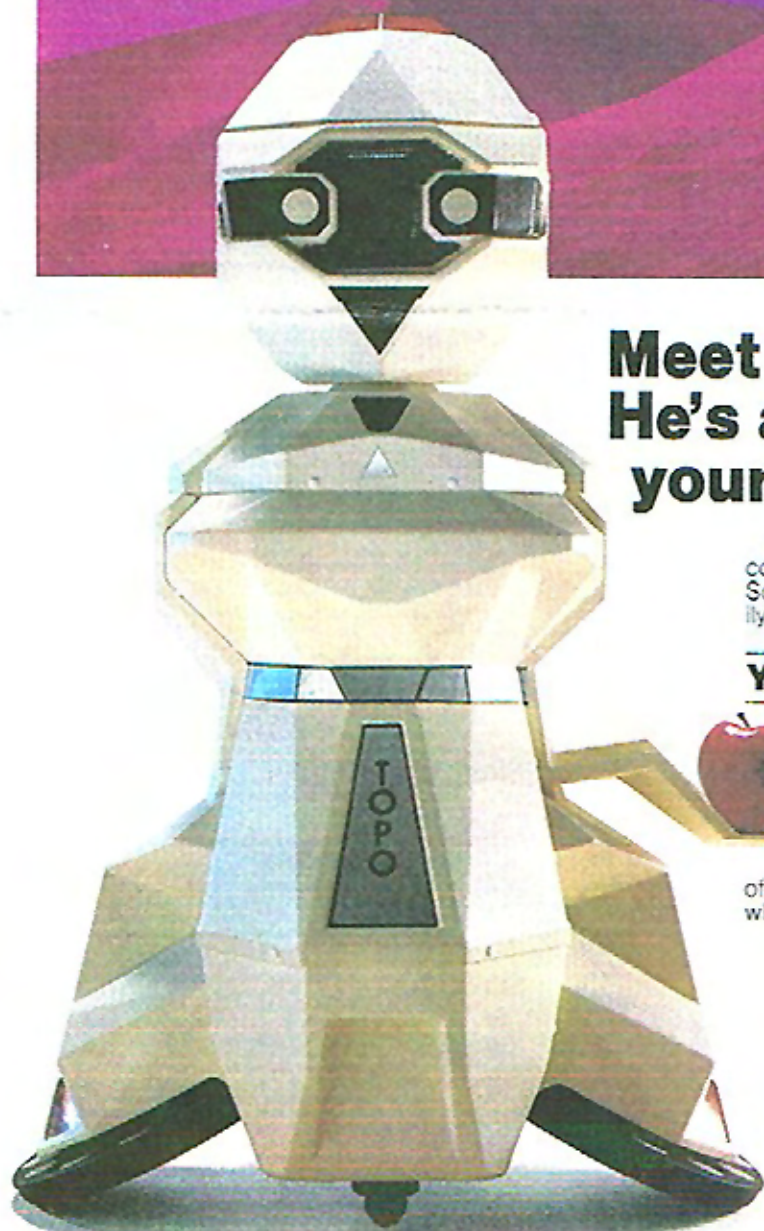
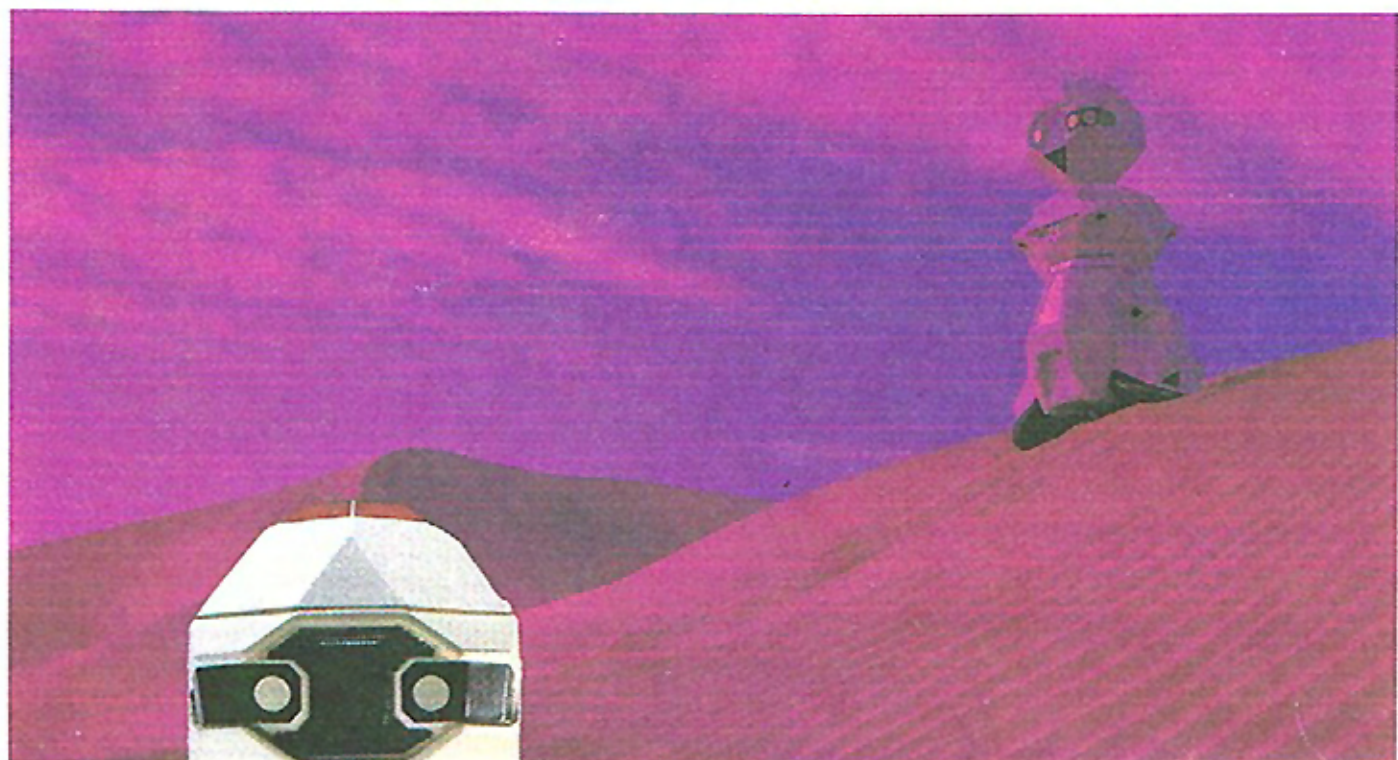


# Topo™

## The world's first personal robots—from Androbot.™



### Meet Topo.™ He's a mobile extension of your personal computer.

He teaches you about computers. He entertains. Socializes. He's one of the family. Your friend and guide to the

incredibly sophisticated Age of Androbotics.™ He's Topo.

You'll wonder how you ever got along without him.

#### **You command: Topo performs.**

Once you've acquainted Topo with his new home, a simple computer command or joystick movement will start him off and running. For instance, while you're in the kitchen, the

keyboard command "Topo to patio" will send him scurrying over a previously-memorized route to serve drinks to guests from his optional Androwagon.™ A wireless infrared communications link relays information between Topo and your computer throughout your house.





# Topo<sup>®</sup>

The TOPO III personal robot from Androbot is a leader in the new generation of programmable robots designed especially for home enjoyment and experimentation. Topo is also used extensively by educators and hobbyists to study geometry, the metric system, robotics and language. It stands 36 inches high, weighs 40 pounds, and can lead you on a journey to a whole new world.

## HE TALKS. HE WALKS. AND HE AWAITS YOUR COMMANDS.

Turn Topo on, and he immediately wins your heart by announcing his name and saying "hello". Basic movements (forward/left/right/stop) are instantly accomplished with a touch of Topo's head switch.

But Topo truly comes to life when he becomes a walking, talking extension of either an Apple II, II+, IIe, or Commodore 64 computer. Plug the remote infrared communicator into your computer's RS-232C interface, and slip the TopoSoft diskette into your disk drive. Now Topo's speech and movement possibilities are as limitless as your imagination. With his sophisticated "text-to-speech" voice synthesizer, Topo can say anything you type on the computer keyboard. A wide variety of speech commands lets you fine-tune Topo's voice for pitch, volume, speed, and almost-human intonation. You can even make him sing, recite poetry, or speak foreign languages.

Control Topo's movement with any analog joystick, or program elaborate motion and speech with keyboard commands. Topo can change speed, arc, turn, and about-face with ease. Invent robot games for him to play, race him through obstacle courses, even teach him to dance.

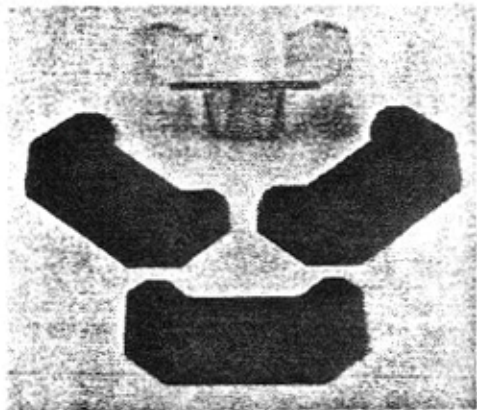
## TOPO LEADS YOU TO KNOWLEDGE

Topo will delight family and friends. But this intelligent machine also provides years of stimulating learning. Experimenting with Topo is a great way to learn programming (or teach it to your children) because he is a moving, three-dimensional representation of your work.

To get you started, the Owner's Manual (included) guides you from the simplest to the most sophisticated programming, with clear instructions and sample programs. The TopoSoft software included with your robot is a FORTH-based language for the Apple and BASIC for the Commodore 64.

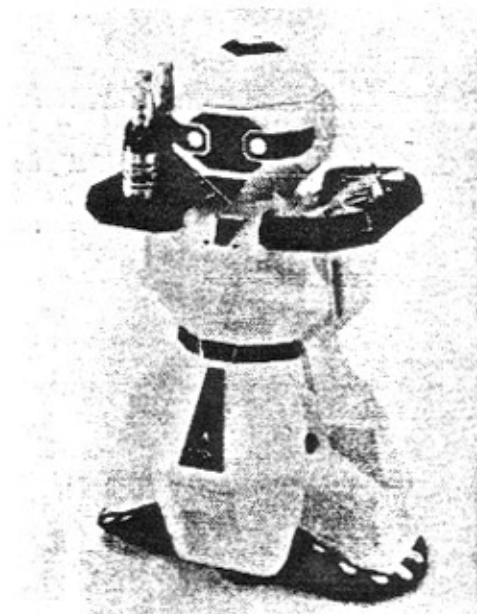


# Topo<sup>®</sup>



## LET YOUR ROBOT CARRY THE LOAD

With your optional Androtrays you can have Topo carry up to five pounds of additional weight without the slightest change in maneuverability. The tray assembly comes with a cream colored "arm" and three black carrying trays. To attach the arm, simply slide it in a downward position over either shoulder until it is secure. After attaching the arm to Topo's shoulder you can place one of the three different trays on top of the arm. The beverage tray holds up to four beverages at one time. The snack tray has three sections for serving nuts, chips or other snack foods. The multi-purpose tray can be used for larger objects or flat items. The tray assembly may be washed with mild soap and water but is NOT dishwasher safe.



## SUPPLIED HARDWARE & SOFTWARE

### TOPO III ROBOT

(2) 8031 Microprocessors:

#1 Controls speech and communications

#2 Controls motion

Improved Two-way Infrared Communications:

Communication range of 30 feet (line of sight)

Receives commands from Base Communicator and reports back status

Automatic error detection and message acknowledgement

Speech Synthesis System:

Text-to-Speech mode for simple operation

Phoneme mode for more complex applications

Adjustable pitch, rate, and volume (both modes)

Motion:

Moves forward, back, left, right, and in smooth arcs

Programmable speed and acceleration

Limited motion control without computer, using built-in headswitch

Expandable Card Cage (for future accessories and features)

(2) 12 Volt Industrial Grade Batteries:

Operates TOPO for up to three hours

Rechargeable with 24 volt charger (supplied)

Battery monitor circuit provides over-charge protection

Alerts operator of low battery condition

Heavy Duty Motors and Gear Boxes

Improved High Impact, Plastic Body of Fire Retardant ABS:

Integrated head and body for improved durability

Shoulder redesigned to attach trays and future accessories

FCC/UL Approved

### BASE COMMUNICATOR

8031 Microprocessor:

Up to 9600 Baud Communication with the computer

1200 Baud communication with TOPO

12 Volt power adapter

RS-232 Cable

### OWNERS MANUAL

Easy to Read

Easy to understand

Lots of examples

Step by Step from the simple to the complex

### DISKETTE

Your choice of either:

TOPOSOFT for the Apple (FORTH)

TOPOBASIC for the Commodore 64 (BASIC)

### REQUIRED EQUIPMENT (not supplied)

#### FOR COMMODORE COMPUTERS

Commodore 64

VIC-1011 (RS-232)

Diskette Drive

#### FOR APPLE COMPUTERS

Apple II, II+, or IIe

48K RAM

Apple Super Serial Card (RS-232)

Diskette Drive

### PRICES:

TOPO: Robot with supplied hardware and software. \$1795.00

Androtray package: includes 2 arms and 3 trays. \$95.00



## ANDROBOT INC

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