

Radio-Electronics

THE MAGAZINE FOR NEW IDEAS IN ELECTRONICS

**BUILD THIS
DIGITAL FREQ DISPLAY**
for FM/AM receivers—tells time too

**PINK-NOISE
GENERATOR**
build for hi-fi testing

PROGRAMMABLE TV GAMES
Atari—Bally—Coleco—
Fairchild—RCA—APF

CB CIRCUITS
unusual designs
in today's sets

**TESTING PHONO
CARTRIDGES**
you can do it yourself



PLUS

★ Z-80
AU-717
Hobby
Equipment Reports ★

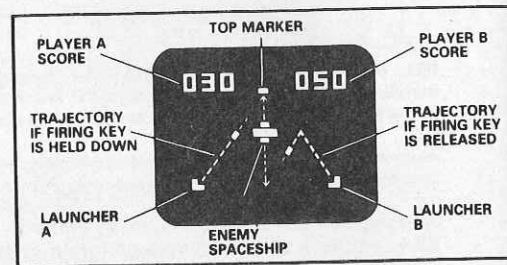
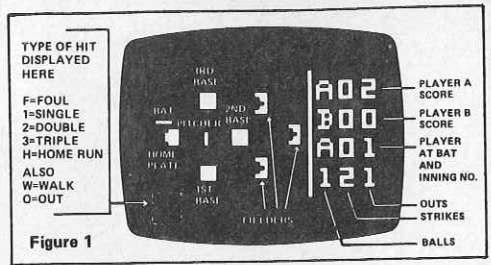
Test Reports Of Sansui
-939 Cassette Deck ★



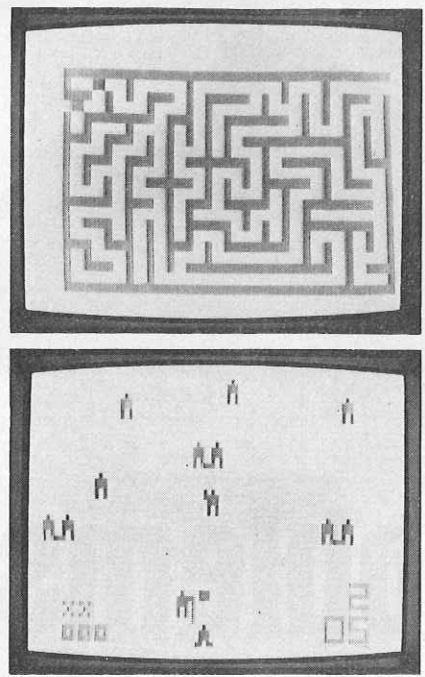
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ATARI'S VIDEO COMPUTER SYSTEM provides color graphics, joystick controls, variable skill levels and six game cartridges available now. The games available now include *Combat*, *Indy 500*, *Space Mission*, *Video Olympics*, *Street Racer* and *Air-Sea Battle*. Each game offers 14 to 50 variations. The *Combat* game, for example, includes 27 variations such as Bi-Plane, Tank, Pong and Jet Fighter.



ACTUAL SCREEN PATTERNS of two of the *RCA Studio II* games. Baseball is at the top and one of the two *Spacewar* games at the bottom. Other games are available and the basic unit has four built-in games.

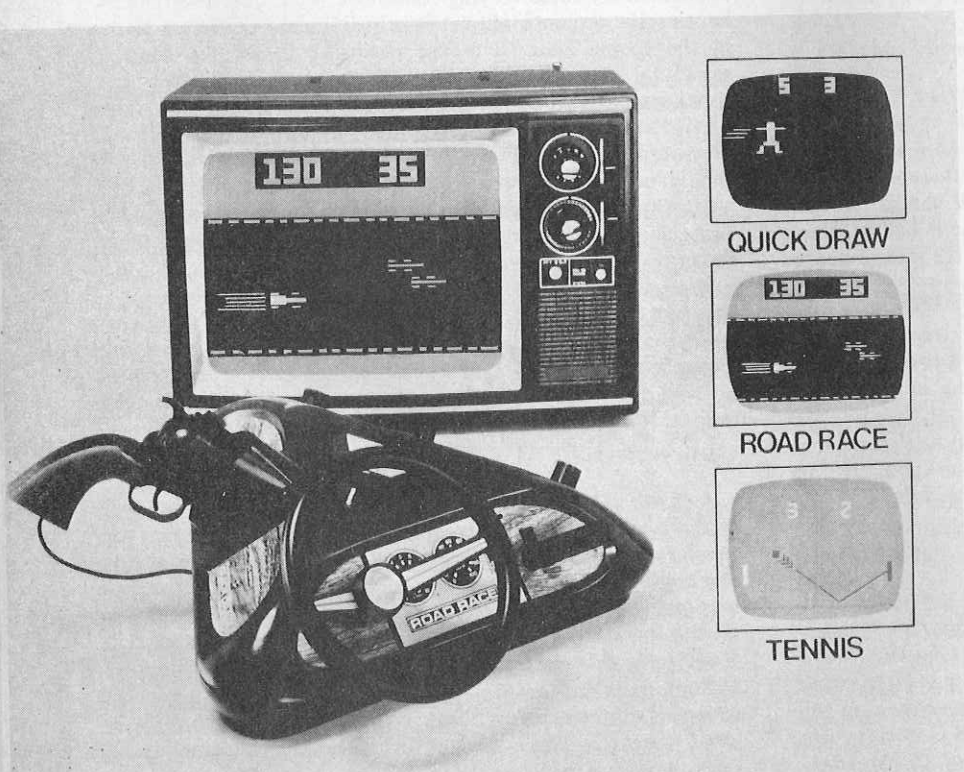


FAIRCHILD'S VIDEO ENTERTAINMENT SYSTEM was the first programmable unit to appear. It uses *Videocart* cartridges to set up the games. Current games include *Tic-Tac-Toe*, *Desert Fox*, *Spitfire*, *Black Jack*, *Baseball* and *Space War*. Others are on the way.

Programmable TV Games

Games like the six shown here are competing with TV broadcasting for your viewing time. Not only will you have fun playing the games but they may lead to better TV viewing too

BALLY'S LIBRARY COMPUTER takes the programmable games concept and adds a calculator that prints out on the TV screen making the unit functional as well as entertaining. Also to come is an add-on that turns the unit into a home computer.



COLECO TELSTAR ARCADE offers three sets of controls and accessories plus plug-in game cartridges. Seventeen different games are provided by the cartridges now available. More will follow. Screen patterns appear in full color on a color TV.



RCA STUDIO II is shown above. Calculator-type keyboards are used to play the games. A variety of cartridges are available now.

APF'S M-1000 MICROPROCESSOR shown at the right includes both keyboard and joystick controls. Cartridges for both games and educational purposes are available.

