

COVER STORY

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COVER ILLUSTRATION
 BY SCOTT POLLACK

Clean-air fuels

Alternative fuels—natural gas, ethanol, methanol, and electricity—are possible weapons to combat urban smog in the 1990s and beyond. Methanol is the top candidate, but how will a methanol-fueled car run, how much will it pollute, and where will the fuel come from? **Page 47**



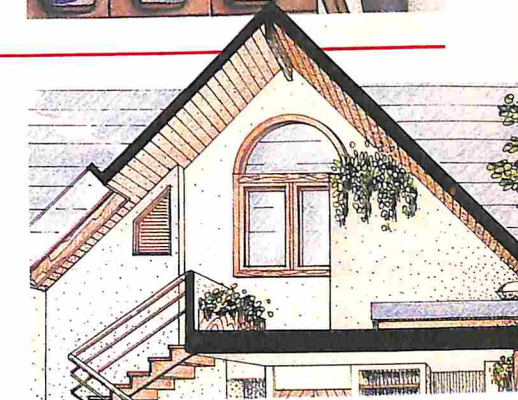
Cellular goes digital

In some cities, car-phone channels are as crowded as the highways. But with a digital system, cellular service companies can compress two or more voice signals onto a single channel. **Page 52**



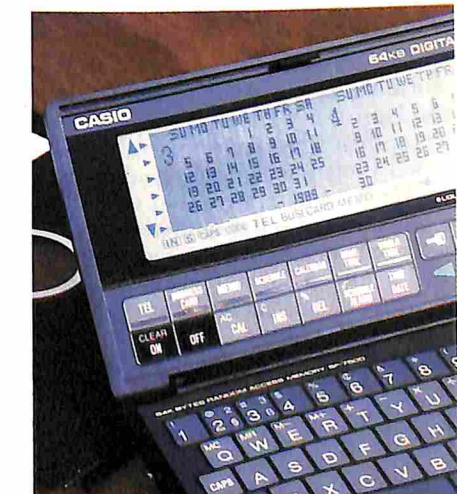
State-of-the-art houses

POPULAR SCIENCE presents three new designs, including: the Bow house, curved to the path of the winter sun; and the Ecology house, an energy-efficient system. **Page 58**



Pocket memories

The new hand-held organizers can communicate with larger computers. With the Pocket Memory, you put the portable machine next to the big ElectroDEX, and the data—names, phone numbers—are transferred via infrared signals. **Page 72**



STATE-OF-THE-ART HOUSES

JANUARY 1990

\$1.95
CANADA \$2.50

Popular Science

CLEAN-AIR FUELS FOR THE '90s



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 RR 1 BOX 116
 MAKINEN MN 55763
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