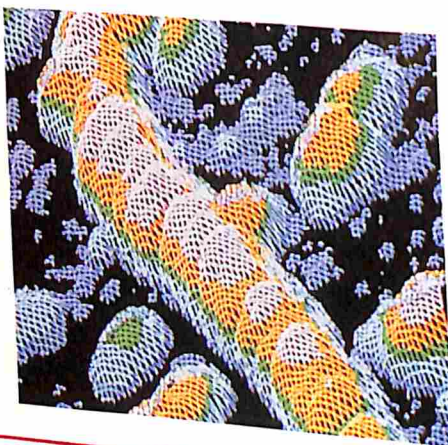


Seeing atoms

A series of advances has led to microscopes that can see an atom whose diameter is four billionths of an inch. These devices, the scanning tunneling microscope and the atomic force microscope, enable scientists for the first time not only to map a surface's atomic structure, but explore electronic properties of atoms individually. **Page 102**



Show stoppers

From the sleek California Camaro to the technology-filled Chrysler Millennium to the fun Ford Splash, Detroit shows eye-popping designs at its annual auto show. **Page 108**



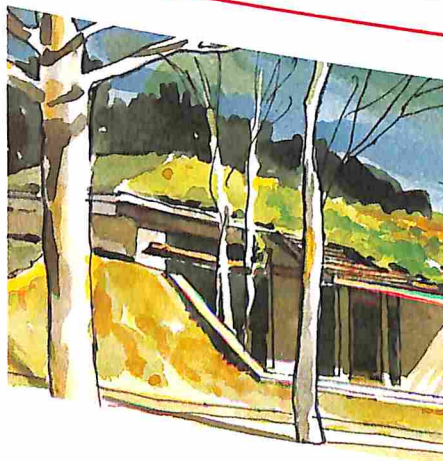
Ultimate lathe

The ornamental lathe: It is to tools what Lamborghini is to cars, what Fabergé is to jewelry. With today's high-tech marvels, it's startling that it was invented in 1794 and last made in 1914. Now there will be a modern rendition. **Page 116**



Summer houses

Commissioned from five prizewinning architects, the homes in this portfolio, which can all serve as primary housing, comfortably embrace today's technologies and bolder sense of design without sacrificing traditional comforts. **Page 128**



What's New Digest 36-48

Science and Technology

Science newsfront.....	17
What's new	36
Submersible acrobat	96
Seeing atoms.....	102
The quiet diesel	111
Artificial gill	121
Solar cell that works nights.....	142
Ice power	154

Computers and Electronics

What's new electronics.....	48
Optical film	49
Electronics newsfront	50
Cordless phones—now they're cookin'.....	112

Cars and Driving

Automotive newsfront.....	20
Car test: power coupes	28
What's new cars	46
Show stoppers	108
Neo geo.....	140
German gripper	141

Recreation

What's new recreation	40
-----------------------------	----

Home, Shop, and Yard

PRODUCTS	
Holey concrete!	25
What's new home	44
Super stripper.....	153
PLANS AND PROJECTS	
Deck under glass	124
6 summer houses for year-round living.....	128
TOOLS AND TECHNIQUES	
What's new tools	35
The ultimate lathe	116
Mortar scraper and shaper	158
CAR CARE	
Taking care of your car	160
"Say, Smokey—"	

Additional Features

Readers talk back	50
Looking back	101
What's news.....	156
Wordless workshop	160
Product information	

DETROIT'S HIGH-TECH CARS FOR THE '90s

The WHAT'S NEW magazine

APRIL 1989

\$1.95
CANADA \$2.50

Popular Science®

World's
ultimate
lathe

SEEING ATOMS

**Super microscope
shows basic building blocks
of the universe**

21SD*****CAR-RT-SORT**RR01
#RTZB0116S944
491020 RTZ B0116S99 14 4 JAN91
S S RATZLAFT
CORR 1 BOX 116
MAKINEN
MN 55763
04#FH