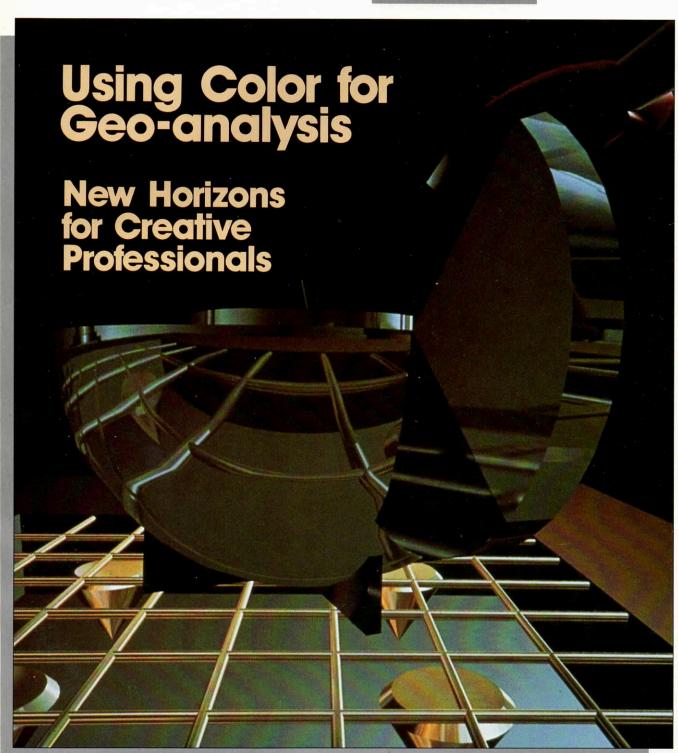
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# COMPUTER GRAPHICS WORLD

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September 1987 \$3.50

New desktop scanners grab more data for innovative imaging and publishing jobs, p. 38



# COMPUTER GRAPHICS WORLD

SEPTEMBER 1987

**VOLUME 10, NUMBER 9** 

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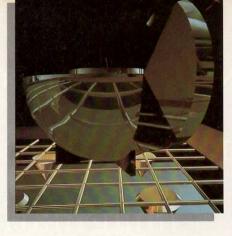
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COVER: "Teapot," a firstplace winner of the Truevision-Raster Tech Image Contest, was created on a Cray computer by Shelly Lake. For a look at other winners, see, p. 82.

#### **FOCUS: Desktop Scanning**

## 38 Manipulating Scanned Images

Better image-processing software, pricing, and gray-scale capabilities are moving new desktop scanners to the head of the class.

By James Cavuoto

Fax Board Facts

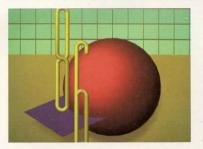
CGW looks at the
features you'll need and the
pitfalls you'll want to avoid
in the latest one-slot
facsimile boards designed



for PC users.

By Barbara Robertson

& Ken Milburn



# 50 Creative Services Evolve with Graphics

With computers changing the way creative services are produced and delivered, graphic artists can work in closer contact with clients. By Rebecca Marrs Hanson

Significant Colors
By assigning one of
three color attributes—
intensity, hue, and
saturation—to different kinds
of spatial data, you can
create powerful analytical
images.
By Jeffrey Simley





Graphics Applications
Fairlight's Computer
Video Instrument puts a 2D
paintbox and video effects
processor under the real-time
control of the artist.
By Jennifer Dritt Wight

### **PORTFOLIO**



sland Graphics joined AT&T's Electronic Photography & Imaging Center (Indianapolis) and Raster Technologies (Westford, MA) as sponsors of the Truevision-Raster Tech Image Contest this year. Entries were judged on originality, composition, and creative use of computer graphics in both fine art and commercial categories.

Each of the four first-place images shown here garnered its author \$2000. Of greater

public interest, though, the 20 placing entries unveiled at the Anaheim Hilton during SIGGRAPH festivities will be on exhibit at the California Museum of Science & Industry in Los Angeles through Sept. 30.

Judges of the contest included CGW Editor Tom McMillan; Steve Doherty, American Artist; Kathy Keeton, Omni; John Dvorak, syndicated columnist; Rand Schulman, Island Graphics Corp.; Joseph Haaf, AT&T's Truevision division; and Katy Patrick, Raster Technologies.

First-place winners shown here are, clockwise from above:

•"Teapot," by Shelly Lake for the Fine Art, Other category. Lake created the image on a Cray supercomputer.

"Hardchrome," by Jim Hillin using Lumena

software running with a
Targa 32 for the
Commercial Art,
Truevision category.

•"Bubble's Beach Diner,"
by Cherry Simpson using
the Wasatch System for
Commercial Art, Other.

•"The Pour," by Alan
Waxenberg using TIPS,
RIO, and West End Film
software with a Targa 16
for Fine Art, Truevision.—JDW

