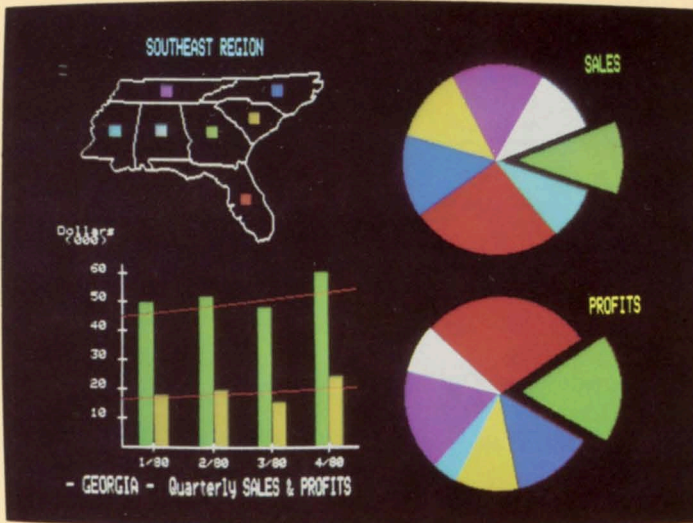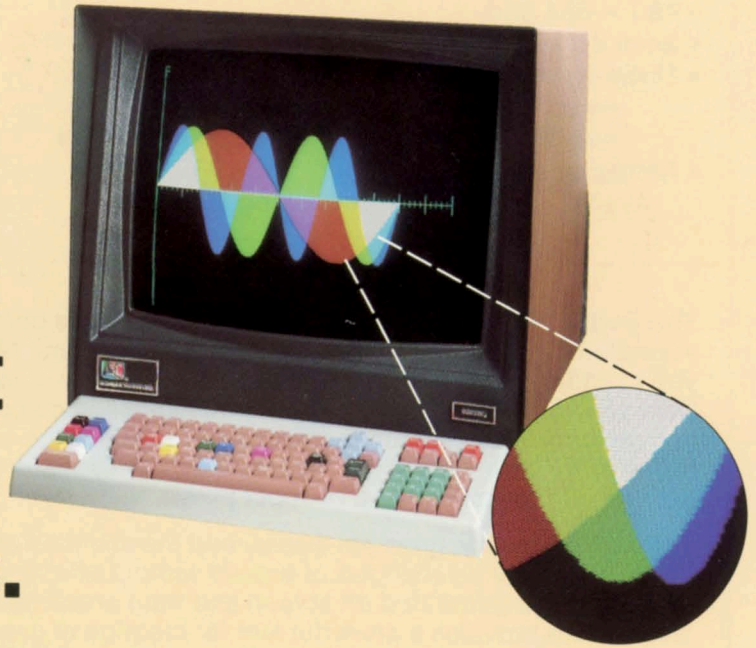# Another ISC breakthrough: Affordable dot addressable color graphics.

Introducing the world's lowest priced high resolution color graphics.

Now high prices don't have to keep you from high performance graphics. ISC's new 8000 Series "I" terminals and desktop computers display color vectors and arcs with full-screen, 480 x 384 individual dot precision —note the close-up photo above. Impressive? With terminals starting at a quantity 100 price of $3,355, try incredible.

For any application requiring critical picture definition.

ISC's new "I" series is suited for process control, energy management, MIS —virtually any application needing sophisticated color graphics. Available in contemporary or industrial cabinets, each model features an 80 cpl by 48-line character format and RS-232C interface. Individual dots displayed in any of 8 colors can shade to a wide spectrum of color combinations.

ISC's "I" series desktop computers include File Control System Disk BASIC, 8K to 24K RAM, and 80K to 26-Megabyte disk. OEM prices start at $4,635, quantity 100.

With ISC's new "I" series, you can now get dot addressable color graphics for a third less than anything else on the market. And we include the keyboard! See for yourself why ISC is the world's largest manufacturer of color graphics systems —call **800-241-4310** for the name of your nearest ISC rep.

Note to current 8001G users: You can easily add ISC's dot addressable option to your unit. This is the kind of upward compatible growth you can expect from ISC! Consult our customer service department for complete details.

U.S. domestic prices. Unretouched photos of screens.

Color Communicates Better℠

ISC Intelligent Systems Corp.

Intecolor Drive ▪ 225 Technology Park/Atlanta ▪ Norcross, Georgia 30092 ▪ Telephone 404/449-5961 ▪ TWX 810-766-1581

Intelligent Systems' Low Cost, Dot Addressable 8000 Series "I" Features:

- 480 × 384 grid
- Each dot addressable for location *and* color
- Three color memory planes
  - each 32K × 6
  - write, display, clear under software control
- Alphanumeric overlay
  Available for terminal or desktop computer

- Software generation of
  - vectors
  - rectangles
  - arcs
  - circles
  - varied line styles
  - super-pixel bars in over 4000 colors

The Series I High Resolution Graphics Option adds complete dot addressability to the already versatile 8000 and 8900 type Intecolor terminals and desktop computers. The package enables you to address each dot in a 400 × 384 grid for color as well as for location. The Graphics Command Processor (GCP) software includes commands for generations of vectors, arcs, circles and rectangles as well as for point plots. Lines may be solid, dashed or dotted. The GCP also provides for definition of the "super pixel" (4×4) in any of over 4000 distinct hues and for the generation of bars made up of super pixels.

The high resolution graphics display and the standard alphanumeric display can overlay each other. Each may be changed or erased without affecting the other. The high resolution graphics display can be generated off screen and then presented in the time of one vertical CRT sweep. This feature provides a powerful tool for creation of graphics displays.
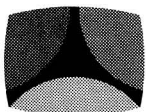
The Series I features are effective in both terminal and microcomputer unit configurations. Whether the ISC unit is used as a terminal under local control, or as a remote terminal under control of a host computer (or other terminal), or as a stand-alone microcomputer, all GCP modes remain available and effective.

Single-Character Commands:

Command		Command	
Point Plot	•	Write	W
Relative Point Plot	:	Display	D
Relative Vector	%	Clear	C
Vector	/	Line Style	T
Concatenated Vector	+	Super Pixel Definition	S
Rectangle	<	Super Pixel Display	*
Arc	A	Bar of Super Pixels	B
Circle	(	Exit GCP	?

For example, to generate a circle, your statement line of ASCII would read:

Plot	27,	20,	41,	100,	200,	50,	63
	ESC	T	Draw a Circle	X Axis (Coordinates for Center Point)	Y Axis	Radius	Return to Standard Resolution

Intelligent Systems

COLOR COMMUNICATES BETTER