

## Computer Graphics & Illustration

### Computer Generated Color Slides\*

Simple (Text Slides) .....	\$2.50
Complex (Graphs, etc. Starting Price) .....	4.50
Slides from Client's Disk (Starting Price) .....	1.50
(Quantity Dependent)	

\*Film and processing charge for orders < 12 slides.  
Externally produced PowerPoint slides done at client's risk.

### Computer Generated Color Graphs, Tables & Illustrations\*

Simple .....	6.00
Intermediate .....	20.00
Complex (Starting Price) .....	20.00

### Large-Format Poster Prints

Cost per running inch (36 or 42" wide paper) .....	\$1.00
Confluent backgrounds, inking (per inch) .....	0.25

### Prepared Pages of Text

1-4 Lines Figure Legend .....	\$2.00
Per Page .....	5-12.00
Slide Set Up (Starting Price) .....	1.00
Tables/Graphs/Figures (Starting Price) .....	5.00

### Mounted Title and/or Text

Each Piece, Poster Board .....	\$2.00
Each Piece, Matte Board .....	3.00
Each Piece, Your Supplied Board .....	3.50

### Dry Mounting Photographs & Other

5x7" – 16x20" (Starting Price) .....	\$3.00
Prepared Photoplates (Starting Price) .....	10.00
Foam Core (Starting Price) .....	3.00

## Additional Capabilities

We are a flexible, full-service facility and are able to provide a wide variety of graphic and photo services beyond those listed in this brochure. Time-wise, we will give you an accurate estimate of completion time once we evaluate your project.

## Photography Price List

### Studio/Location Photography

(Per Set-up)	
Simple .....	\$2.00*
Complex (Starting Price) .....	4.00*
*Plus Film & Processing	

### Black & White Film Processing

35 mm 24/36 Exp. 120 size roll .....	2.50
Contact Proof Print .....	3.00

### Color Slide Processing (E6)\*

24 Exp .....	5.00
36 Exp .....	7.50
Unmounted .....	5.00

\*Includes mounting; numbering \$2.50/roll extra

### Copy Negatives

Kodolith (line copy) .....	3.00
Continuous Tone .....	2.50
B/W Internegative .....	2.75

### 35 mm Transparencies

Negative (line copy) .....	2.00
Positive (line copy) .....	2.00
Continuous Tone .....	2.00
Diazo (white on blue) .....	3.50
Slide with Color Gel .....	3.50
Black/White Slide Duplicate .....	2.50
Color Slide Duplicate .....	2.50
Color Slide Duplicate .....	2.50
Color Slide (Flat Artwork)* .....	2.50
*Plus film & processing for orders <12 slides	
Slide Mount Your Film .....	0.25

### Custom Black & White Printing

(Continuous Tone Printing; Black/White from Color)	
5 x 7" .....	2.50
8 x 10" .....	3.50
8.5 x 11" .....	4.50
11 x 14" .....	9.00
16 x 20" .....	18.00

**Film & Processing for Studio/Location or Color Work** – Call for Charges

# IMAGE

Integrated Microscopy & Graphics Experts

Office of Research Development  
and Administration



Southern<sup>TM</sup>  
Illinois University  
Carbondale

## Advanced Microscopy & Analysis

The IMAGE Building  
750 Communications Drive  
453-3730

## Graphics & Photography

Life Sciences Bldg. II – Room 476  
453-3041

## Microscopy Services Offered

### Training

Individualized instruction in the use of all instrumentation required for your research projects. Faculty, graduate students and technologists will be trained to prepare specimens, view and record images in an appropriate microscope.

Flexible training programs are available to accommodate busy research schedules. Formal, graduate level courses are available should course credit be desired.

Training fees typically range from \$50-150.00, depending upon prior experience of the trainee. Time required varies from 2-20 hours at \$25/hr. Upon completion, the trainee will become an independent user of the instrumentation at IMAGE.

### Service

Professional microscopists are available to prepare and image specimens to suit your specifications. Researchers may wish to be present during viewing of the specimens in the microscopes to direct the recording of images.

Flexible fee structures may be negotiated between IMAGE and granting agencies if long term or extended use of facilities and staff is contemplated. Charges may be quoted on an hourly basis or on a "per specimen" basis, as required.

Tours of the facility may be arranged for classes, visiting scientists or granting agencies.

### Research

IMAGE will develop or evaluate protocols needed to accomplish a specific research project. Explanatory text will be provided for inclusion in grant proposals, including detailed budgets, justification for the use of specific protocols and instrumentation.

## Microscopy Independent User Fees

### Microscope Fees per Hour

Basic Electron Microscopes (H7650 and S570) .....	\$20.00
Specialized Electron Microscopes & AFM (H7100FA, S2460N, Park AFM) .....	25.00
X-ray Microanalysis (NORAN Voyager III) .....	25.00
Light Microscopes .....	15.00
Tomographic Capture .....	10.00
Tomographic 3D Reconstruction .....,.....	5.00
Image Analysis .....,.....	10.00

### Facility Use Fees

Critical Point Drying .....	15.00
Sputter Coating .....	15.00
Vacuum Evaporation .....	20.00
SEM stub & specimen mounting .....	2.00
Ultramicrotomes (per hr) .....	15.00
TEM negative + development .....	1.00
Polaroid Type 55 (pos & neg) .....	3.00
CODONICS 8.5x11 BW print .....	3.00
CODONICS 8.5x11 Color print .....	5.00

## Advanced Capabilities

**TEM Tomography:** Transmission electron microtomography in the new Hitachi H7650 may reveal 3D features of macromolecular structures.

**X-ray & Image Analysis:** Energy dispersive x-ray microanalysis in the scanning and transmission electron microscopes → elemental analysis and mapping. Quantitate areas, count and size particles, Fourier transforms, pseudocoloring and more.

### Variable Pressure SEM & Microanalysis

## Microscopy Service Fees

### Microscope Service Work (Operator Provided at \$25/hr additional)

Service microscopy charges includes the microscope hourly use fee (see column, left) plus \$25/hr for technical assistance. Some of the more specialized instrumentation is available only on a service basis.

### Specimen Preparation

Pricing varies depending upon amount of processing needed. Biological specimens, which require more steps than non-biologicals, will be more costly. A precise figure will be provided after determination of specific needs. Cost will range from \$20.00 to over \$100.00. Savings may be realized if some processing is done by the investigator and completed by IMAGE.

Transmission EM (fixation through embedding; per vial with up to 5 specimens in the same vial) .....	\$40.00
Ultramicrotomy (routine, 3 grids) .....	20.00
Grid staining (Ur + Pb, 3 grids) .....	15.00
Scanning EM (biologicals) .....	40.00
Scanning EM (non-biologicals) .....	20.00
Critical Point Drying .....	20.00
Freeze Drying .....	20.00
Sputter Coating .....	10.00
Vacuum Evaporation .....	25.00
SEM stub & specimen mounting .....	4.00
TEM negative + development .....	1.00
Polaroid Type 55 (pos & neg) .....	3.00
Digital Thermal Print .....	0.25
CD ROM burned .....	5.00

