1. Dissect eyes. # eyes (beginning) # eyes (end) Genotype

2. Fix for 1 hour on ice in 2% glutaraldehyde in PBS in 1.5-ml microfuge tubes.

3. Rinse for 10’ in PBS on ice.

4. Dehydrate in EtOH on ice:
   - 50% 5 min
   - 70% 5 min
   - 90% 5 min
   - 100% 5 min

5. Clear in propylene oxide for 5’ on ice.

6. Infiltrate in 1:1 propylene oxide/plastic for 15 minutes.

7. Dessicate in pure plastic overnight.

8. Embed in plastic in little tubes (Ted Pella #130-B-2, Beem Capsules Size 3). Fill tube with one drop of plastic, add and position head with a needle so that the eye is facing directly down—this may require multiple repositionings over a few hours. Then, bake O/N.

9. Add rest of plastic to fill up the tubes the next day and bake for another day.

Epon 812/Araldite Mixture (you can make this and keep at –20 in 10ml syringe without the needle.

<table>
<thead>
<tr>
<th>1/2 Recipe for Day 1</th>
<th>Full Recipe</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.55 g</td>
<td>7.1 g Dodecenylsuccinic Anhydride</td>
</tr>
<tr>
<td>2.40 g</td>
<td>4.8 g Epon 812</td>
</tr>
<tr>
<td>1.25 g</td>
<td>2.5 g Araldite</td>
</tr>
</tbody>
</table>

Mix to homogeneity, then add: 
- .125 ml 
- .250 ml 
- DMP-30

* Meaning if you want a copy of this, you must buy Gail a taco.