Adhesives for specimens in entomology

A brief survey of Entomological Collections Network members for information regarding adhesives used to prepare specimens (e.g., in point mounts or specimen repair). Administered June 2018; results to be presented November 2018 at ECN.

* Required

1. Approximately how many point- or card-mounted specimens do you or your collection staff prepare every year? *

2. How would you rank the following properties of a specimen adhesive, from highest to lowest? Select one rank for each row. *
Mark only one oval per row.

<table>
<thead>
<tr>
<th>Property</th>
<th>1 highest</th>
<th>2 high</th>
<th>3 medium</th>
<th>4 low</th>
<th>5 lowest</th>
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<tbody>
<tr>
<td>reversible (can be dissolved away for observation or remounting)</td>
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<tr>
<td>inexpensive</td>
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<td>easy to prepare and use (e.g., no exotic solvents, stable for extended time)</td>
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<td>safe (no special PPE required)</td>
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<td>archival (won't degrade specimen, leach acid, etc.)</td>
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</table>

3. Are there any important properties not listed above? If so describe the property and its relative rank (1-5)
4. Which adhesives are used currently in your collection for specimen mounting? *

Check all that apply.

☐ Hide glue (e.g., Titebond or Behlen)
☐ White glue (casein)
☐ clear nail polish (nitrocellulose formulation)
☐ Paraloid B-72
☐ White glue (emulsion of polyvinyl acetate (PVAc), like Elmer's, Jade, or Weldbond)
☐ Hot-melt adhesive (hot glue)
☐ Shellac gel (e.g., product #1160 from BioQuip or homemade from flakes)
☐ Polyvinyl acetate (PVAc) beads (e.g., Gelva) dissolved in ethanol or acetone
☐ Other: __________________________

5. (optional) Of the options above which is the best and why?

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

6. Are you satisfied with the current knowledge of adhesives that are appropriate for insect specimens? *

Mark only one oval.

☐ Yes - We have sufficient long-term experience and science-based examination of adhesive properties
☐ No - We need more research on adhesives used in this context

7. Do you make your own unit trays? If so which adhesive(s) do you use? If not check "other" and write "not made". *

Check all that apply.

☐ White glue (emulsion of polyvinyl acetate (PVAc), like Elmer's, Jade, or Weldbond)
☐ Hot-melt adhesive (hot glue)
☐ Paraloid B-72
☐ White glue (casein)
☐ clear nail polish (nitrocellulose formulation)
☐ Polyvinyl acetate (PVAc) beads (e.g., Gelva) dissolved in ethanol or acetone
☐ Shellac gel (e.g., product #1160 from BioQuip or homemade from flakes)
☐ Hide glue (e.g., Titebond or Behlen)
☐ Other: __________________________
8. (optional) Feel free to add your name, email, and any parting comments below, in case you'd like to pursue these issues further. Thanks!