

Background

- animals (Garner et al., 2003)
- eat later in the season (Lawrence, 2003)
- Shepherdson, 2006)

enrichment on route-tracing behavior

- 8 adult black-capped chickadees: 4 in standard housing set-up (control)
- Physical enrichment provided include:



2 birds, 1 from each group, was coded using the BORIS program to identify any reduction of route-tracing frequencies for the purposes of this poster presentation

CRACKING THE AVIAN CODE: ANALYZING STEREOTYPIC BEHAVIOUR IN BLACK-CAPPED CHICKADEES

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 - Swaisgood, R., & Shepherdson, D. (2006). Environmental enrichment as a strategy for mitigating stereotypies in Zoo Animals: A literature review and meta-analysis. Stereotypic Animal Behaviour: Fundamentals and *Applications to Welfare*, 256–285. https://doi.org/10.1079/9780851990040.0256
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Results



- trends

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References

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Conclusion

Although there was not a huge difference in stereotypy between the two birds, we saw promising

• We saw some decrease in Tweety's route-tracing after enrichment. We also saw an indication of behavioral flexibility, when Tweety introduced a new route midway through observation

• We expect to see these trends in the other six birds

• In the future, and with better implementation of enrichment techniques, we hope to see increased differences over time

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