Field Name	Field Value
Name	Todd Blackledge
Organization	University of Akron
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email	blackledge@uakron.edu
Web_Address	http://gozips.uakron.edu/~tab27/index.htm
Renewal	No
Permit_Number	**2011-007**
Activity	Research
Project	Insect prey of spiders
Dates	June-October 2011
Group_Size	3
Research_Area	Yes
Grandview_Alley	Yes
South_Woods	Yes
Sensitive_Area	No
Other_Areas	No
Building	Yes
Prep_Work	none - dissecting scope will be used and minor storage of equipment
Sampling_Collecting	Yes
Sampling_Methods	Several hundred to thousands of insects will be trapped. The sampling will be unbiased so that most of these will be extremely common species. The enormous reproductive capacity and dispersal ability of most flying insects ensures that this sampling will have no real impact on the populations.
Description	We will use a combination of flight intercept, malaise and adhesive coated window pane traps to sample the abundance of insects in the same microhabitats where spiders spin their orb webs. Our goal is to determine the size-abundance distribution of insect prey that could potentially fly into spider webs. We will determine how much biomass of prey is available to spiders in the form of small, easy to catch, versus larger, harder to catch, flying insects. We hypothesize that spiders derive most of their food from some of the largest insects, even though they are likely also extremely rare. We expect to set out 1-2 trapping stations in each of the two locations (field and forest) for about 10-20 days total during the summer, depending upon weather. Insects from the flight intercept traps will be preserved in pans of propylene glycol, an environmental

	friendly preservative that is routinely used in these field experiments. insects will be collected directly from the malaise and window pane traps. All insects will be identified and measured in the laboratory and preserved for future use by any researchers at BNP.
Agreement	Accept