



Name(s)	Project Number		
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Project Title Ant Supercolony Aggression Objectives/Cools			
		Problem Statement: Ants of the #SuperColony# are spr mainly aggressors? Do aggressors always win, if so ho	ead all over California. Is one colony of ants w do they win their battles?
		Hypothesis: Ants from the Supercolony will be more a	ggressive than ants of another colony.
Old Procedure: 1. Place 10 ants from one colony into a activity slows down; 2. Mark the ants from that colony Remove the ants from ice and let sit at room temperatu painted ants with an ants from the other colony in one of attacks first; 6. Observe for about 5 mins and record wl 4#6 15 times; 8. Repeat steps 1-7 using the other colon New Procedure: 1. Place about 10 ants from each color on ice until ant activity slows down (approximately 3 n Whtie=Lake Skinner; Yellow=Mason Park); 3. Remov until ants are fully active again (approximately 6-10 mit the small petri dishes; 5. Record which attacks first 6.observe for about 5 mins and record what the highest total of 15 times. Materials: 2 different colonies of ants (Lake Skinner a Paintbrushes(2); Paint (acrylic white and yellow); Ice.	one of the large Petri dishes and set on ice until ant with small amount of acrylic white paint; 3. re until ants are fully active; 4. Place one of the of the small petri dishes; 5.Record which ant nat the highest level of aggression; 7. Repeat steps y of ants for a total of 30 experiments. ny into 2 of the large Petri dishes and place BOTH nins); 2. Mark both ant colonies with paint (e both ants from ice and let sit at room temperature ins); 4. Place 1 ant from both colonies into one of clevel of aggression was; 7. Repeat steps 1-6 a nd Mason Park); Fluon-lined Petri dish;		
Results Results: After the ants were warmed, they did not seem ice. When the first procedure was used, where only one altered. The non-painted ant would attack first whether when the procedure was changed where both ants were attacked first and had the highest level of aggression, a Conclusions/Discussion	to return to their normal activity as did before the colony was iced and painted, the aggressor it was Mason Park or Lake Skinner. However iced and painted only the Mason Park ants 4.		
Conclusion: Mason Park is the part of the Supercolony where both of the ants were painted and iced. Therefore ants of other colonies proving my hypothesis.	and was the aggressor in all 15 of the experiments e, ants of the Supercolony are more aggressive than		
Summary Statement			
To determine if ants of the "supercolony" will demons	trate more aggressions than ants of other colonies.		
Help Received Used lab equipment at university california irvine under	er supervision of Dr. Debra Mauzy-Melitz		