



California Science Center
CALIFORNIA STATE SCIENCE FAIR
2001 PROJECT SUMMARY

Your Name (List all student names if multiple authors.)

Tarolyn J. Robertson

Project Title (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9)

Do canines have unique pawprints?

Science Fair Use Only

J1818

Division

J Junior (6-8) J Senior (9-12)

Preferred Category (See page 5 for descriptions.)

18 - Zoology

Abstract (Include Objective, Methods, Results, Conclusion. See samples on page 14.)

Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.

Do canines have unique pawprints? Every day dogs are lost all over the world. There are different things that you can do to keep your dog from running off. You can have a tracking device (a small microchip) installed in the dog's hip and you can have your dog licensed. You are supposed to have your dog licensed anyway, but that is only in certain parts of the world. Every day people are getting fingerprinted all over the world. If anything happens to you or if the government/law wants to know if it's really you they can check your fingerprints. So, many things that you can do to track your dog cost different amounts, ranging from \$20 to over \$200 depending on what you get, but getting your dog's paw printed has never been done before and it would be so much cheaper. If dog's paw prints are unique what a great way to keep track of them. The hypothesis for this report was that canines have unique paw prints. The reason for this is that every human, even identical twins, have unique finger prints. Canines do have unique paw prints. After pawprinting many dogs I found that all of the canines were unique in different ways. Some paws were wider, longer, or had more papilla found in a 1/2 sq. centimeter.

Summary Statement (In one sentence, state what your project is about.)

The project is to see if canines have unique pawprints as humans do finger prints.

Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4.

Mother helped get the pawprints and drove wherever needed; Deanna helped at the San Diego Humane Society; Bridget Reinhold, a dog breeder.