



DIVISION OF BIOLOGICAL SCIENCES  
SECTION OF BOTANY  
(916) 752-0617  
FAX: (916) 752-5410

DAVIS, CALIFORNIA 95616

May 12, 1992

Mr. Herb Dengler  
219 Wyndham Dr.  
Portola Valley, CA 94025

Dear Mr. Dengler:

Over a month ago, Ron left your oak specimen from Jasper Ridge at my office. I was on a 5-day trip to Catalina Island at the time (checking out the interesting oaks there) and didn't have a look at your specimen till some time later. My initial reaction was that you were right. And having checked it more carefully in the last few days, I fully agree - it certainly does appear to be a hybrid between *Quercus durata* and *Q. douglasii*.

This is the first instance I have ever heard of hybridization between these two species. I am having your collection mounted for the U.C.D. Herbarium. But for a proper label, could you please supply (1) a little more exact location for the hybrid, and (2) the date of your collection? If you happen to be in the area this fall, and there are any acorns on the hybrid, it would be great to have a fruiting specimen of it, also.

At first glance, it seemed to me that the *Q. douglasii* genes had a greater effect than *Q. durata*. However, the smallish leaves, mucronate teeth, and slightly convex upper surface certainly do suggest *Q. durata*. Under 30X magnification, the hairs of the lower leaf surface are distinctly intermediate between the two species, also.

Coming upon it in the field - given the circumstances you describe - I imagine a person's reaction (*my* reaction!) would be: a hybrid! What else can it be!

At any rate, for me it is a first. And thanks for the specimen.

Sincerely,

John M. Tucker  
Professor Emeritus

JMT/ln  
cc: Ron Dengler