



International Oaks

The Journal of the International Oak Society

Proceedings
 10th International Oak Society Conference
 August 30 – September 2, 2022



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Photos, drawings. Cover: Ryder Russell (*Quercus hypoleucooides*); David More (*Q. ajoensis*, *Q. graciliformis*, *Q. gravesii*, *Q. palmeri*, *Q. rugosa*). Page 8: Valérie de Brem. Page 9: Dirk Benoit. Page 10: Guy Sternberg. Page 11: Roderick Cameron. Page 13: Amy Byrne.

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The subject of Min Deng's oral presentation on the sexual reproduction processes in oaks was published in *International Oaks*, Issue No. 33, pp. 63-72.

Papers of the following oral presentations were not submitted for these Proceedings:

1. An Introduction to the Chihuahuan Desert and Its Oak Diversity by Adam Black and Michael Eason;
2. Species Diversity and Conservation Plan for Oaks in Laos by Phetlasy Souladeth;
3. Patterns of Adaptive and Neutral Genetic Population Structure in Two Hybridizing Californian White Oaks (*Quercus* sect. *Quercus*) by Scott O'Donnell;
4. US Navy's 20-year *Quercus tomentella* Restoration Program on San Clemente Island by Julie Lambert;
5. Taking to the Streets: Program and Technique to Bring Periodic and Summer Drought Native and Adapted Oaks into Standard Use by Sean Hogan;
6. Quantifying Exposure to Introgressive Hybridization and Its Potential Conservation Consequences: the Oak Syngameon as a Case Study by Chuck Cannon.



PREFACE

Quercus in the Desert and Beyond

Since attending my first International Oak Society Conference in 2012 in Bordeaux, France, I have been amazed at the quality and enjoyable atmosphere of IOS gatherings. Whether it be an Oak Open Day, Tour or Conference, there is something special about this Society and its members. I personally do not know of another organization with so many friendly and warm individuals (not to mention one focused on my favorite genus). The opportunity to Chair the 10th IOS Conference in Las Cruces, New Mexico, was an amazing and nerve-wracking experience. The Conference Committee wanted to keep up with the tradition of delivering a quality event and enjoyable experience. From the Tours covering three states, to the international speakers, wide-ranging topics, and social events, I believe we did so. For those of you that were unable to attend either in person or virtually, as you read these Conference Proceedings you will get a sense of what it was like to be there and hopefully you will join us in 2025, in Mexico, for the 11th IOS Conference. I would like to thank everyone who served on the Conference Committee. Your hard work, dedication and attention to little details made this a special event and I am proud to have served with you.

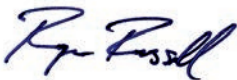
I firmly believe that conservation efforts will and should be a major focus of the IOS in the coming years. Over 100 of the world's oak species are threatened and that number may well continue to climb. We have an amazing group of scientists, botanists, nurserymen, collectors, and enthusiasts among our ranks who can contribute in unprecedented ways to conservation efforts. *Oaks in a Wild Landscape: Conserving Species and Restoring Balance* was chosen as the Conference theme as it is becoming increasingly apparent that many species are at risk of being lost. Targeted conservation efforts around the globe are underway, many led by IOS members, to conserve these rare and endangered species in both ex-situ and in-situ conditions. The Oak Conservation and Research Fund (OCRF), started by IOS members, is dedicated to conservation efforts for these rare oaks. Our unofficial sister organization, the Global Conservation Consortium for Oaks (GCCO) has a laser focus on identifying and developing real-world conservation plans worldwide. The IOS and the GCCO share many of the same members, which I count as a huge bonus for both organizations – together we can accomplish the impossible. Presently, there are

conservation efforts underway for species such as *Quercus acerifolia*, *Q. boyntonii*, *Q. brandegeei*, *Q. pacifica*, and *Q. tardifolia*, to name but a few. These efforts are critical, but they are not free: they require time, planning, funding, and space. We are all aware that oaks must be held as living collections, such as seed orchards for future in-situ re-establishment, and that requires space, sometimes a lot of it. But if we are all pulling in the same direction, pitching in to help as we can (an IOS tradition), I feel great efforts in conserving these species can be made.

Increasing IOS membership is another item that will be a focus over the next several years. A new committee was formed at the first meeting of the new IOS Board, the Development and Outreach Committee, that will take on this task. In addition to the gift memberships that you can offer friends interested in oaks but unfamiliar with our Society, one new idea is to offer an “electronic” membership at a reduced rate rather than increasing dues. Another exciting development is the revival of the Tour Committee. The unfortunate arrival of COVID-19 really put a damper on Oak Open Days and Tours, but exciting adventures are in the planning and we hope to offer a variety of events in different countries in the coming months and years. These events are critical not only to the health of our organization but also to increasing membership. If you have the opportunity to attend one of them, please take the time to do so, especially if you have never done so before. You will not regret it – and you will likely make lifelong friends in the process.

Exciting things are on the horizon for the International Oak Society and I encourage members to seek out ways to become involved. Whether it is offering your expertise in conservation efforts, working with the Tour Committee, inviting a friend to join the IOS, or donating to the OCF, taking ownership of your Society in some way will have lasting effects for you and for the International Oak Society.

Ryan Russell
Vice-President
10th International Oak Society Conference Chair

A handwritten signature in blue ink that reads "Ryan Russell". The signature is written in a cursive style with a large, stylized "R" at the beginning.