

Preface

The Tenth Conference of the International Organization of Citrus Virologists was held in Valencia, Spain from November 17 to 21, 1986. A preconference program was conducted from November 9 to 16 and included visits to the experiment station of the Instituto Valenciano de Investigaciones Agrarias (IVIA) at Moncada and to many citrus orchards and nurseries in the Valencia area. We had the opportunity to see first hand the severe tristeza problems that are gradually eliminating sour orange as a rootstock in Spain. Many of the old orchards in Spain are infected with several viruses and often have been topworked with several varieties. Thus, there were many trees which could well serve as the IOCV symbol since they carried, and often showed symptoms of psorosis, exocortis, cachexia, tristeza, and other virus and virus-like pathogens. In addition, we saw other disease problems caused by *Phytophthora* and *Armillaria* and the cultural practices used in Spanish citrus orchards. We also had the opportunity to get acquainted with the Citrus Budwood Certification Program in Spain and their excellent citrus nursery operations.

The postconference tour was conducted from November 21 to 29 and took us south to the Sevilla and Huelva citrus areas, then on to Murcia and returning along the coast to Valencia. The post conference tour was a mixture of professional activities and opportunities to study Spanish history and culture. We again had the opportunity to see tristeza decline as well as excellent examples of psorosis, concave gum, impietratura, and stubborn disease. The effects of the shoot-tip grafting and budwood certification program which has been carried out over the last 11 years in Spain were impressive. Large orchards of vigorous, healthy young trees stood in marked contrast to the old psorosis-ridden plantings. Everyone was impressed by visits to the fabled cities of Sevilla, Córdoba and Granada. The opportunity to observe the effects of the changes in cultures in southern Spain over the centuries on the architecture, religion, and way of life was a rare treat.

The conference was held in Valencia and provided much new information and the opportunity to discuss research results with colleagues. The tristeza situation in several countries was brought out in papers on detection, biological characterization, and aphid transmission studies. Cachexia was demonstrated to be caused by a viroid. Several other viroids have now been detected in citrus in several countries but their biological effects remain to be elucidated in many cases. Some progress in purification of citrus ringspot, psorosis, or similar pathogens was reported. The present knowledge on exocortis, cachexia, greening and stubborn diseases was reviewed by invited speakers. In addition to the paper sessions, we had the opportunity to learn new techniques in a day of technical demonstrations held at the IVIA experiment station.

The conference was very ably and efficiently organized by Luis Navarro, chairman; Francisco Marti-Fabregat, vice-chairman; and Pedro Moreno, secretary, with the assistance of the entire staff at Moncada and many others from local state agencies. Different state agencies, nurserymen and citrus growers provided financial support and hosted the entire group on many occasions. Luis and Pedro single-handedly dispelled the stereotype of the Spanish as being late starters operating on a relaxed schedule. All events came off so promptly that even the supposedly well-organized and punctual North Americans were left scrambling for the buses before the doors closed. The entire conference operated on schedule and everything was extremely well-organized, a tribute to the concern and long hours of work on the part of the organizers.

The conference was very attended with a total of 167 delegates participating in the preconference, conference, and postconference activities or various combinations thereof. There were representatives from 26 countries. At the banquet. IOCV chairman, Ary Salibe, passed the gavel to incoming chairman, Luis Navarro with a short discourse on the history of IOCV. Chet Roistacher was voted the new chairman-elect. The Nurserymen's Association AVASA gave a very nice plaque to IOCV with the legend "In appreciation of the great contribution of the IOCV to the knowledge and control of citrus virus and virus-like diseases".

At the business meeting in Valencia, it was decided by majority vote that papers published in the 10th Proceedings would be reviewed by at least one member of a review panel. Thus, all full-length papers presented herein are refereed. The editors wish to thank the members of the panel for the time spent and the many helpful suggestions for improving papers. Members of the panel were: Bernard Aubert, Pat Broadbent-Barkley, Clair Calavan, Alan Dodds, Richard Lee, Pedro Moreno, and Joe Semancik. In addition, the editors have decided to publish a summary of the papers which were presented at the conference but for which full-length papers were never received. Abstracts appear at the end of the volume and are not grouped by subject matter.

J. A. Dodds, R. L. Jordan, J. A. Heick and S. J. Tamaki, were the recipients of the Wallace award for their fine paper on "Double stranded RNA for the diagnosis of citrus and avocado viruses", which was presented at the Ninth conference in Argentina.

The editorial style and procedures for the 10th Proceedings were much the same as for the Ninth with minor changes in style. The addresses for all contributors can be found at the beginning of this volume and the latin binomials and authorities for most citrus species and cultivars as well as other commonly used indicator plants can be found at the end. The Tenth proceedings were printed by E. O. Painter Printing Co. of DeLeon Springs, Florida 32028 and the excellent cooperation and the patience of Don and S. Dick Johnston are gratefully acknowledged. These Proceedings are published by IOCV using funds from page charges, meeting registration dues, and sales of the volumes. The sources and prices for previous volumes are listed in the back of these proceedings.

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