Minutes of the CFGRP Advisory Council Meeting 4/27-28/93

**Announcements**

1. Procter and Gamble Cellose company will withdraw from the CFGRP as of June 30th 1993 because of a corporate buy out.
2. Scott Surles is completing his Ph.D. in June of 1993 and has accepted a job with the North Carolina State rooted cutting project. Congratulations Scott and the best of luck with your new job at NCSU!!
3. Ken Smith finished his Masters this past fall and is currently working on a Ph.D. with Dr. Henry Gholz here in Forestry at the University of Florida.
4. Two new students are starting their Masters programs. Steve Parker will be analyzing the clone bank rootstock screening study. Paul Duncan will conduct a freeze tolerance study of various slash pine hybrids.
5. Dr. Gary Hodge is leaving for a much-deserved 6-month sabbatical on May 19th. He will be spending 3 months working for the Cooperative Research Centre for Temperate Hardwoods in Hobart, Tasmania (working on Eucalyptus breeding strategies) and then 3 months working for APPM in Burnie, Tasmania (working on Eucalyptus wood quality projects). He will be back in Gainesville in January 1994. Have a great trip, Gary!!
6. Colin Matheson of CSIRO in Canberra, Australia will be visiting Gainesville for 6 weeks starting the first part of May. He will be working on the analysis of the two CFGRP inbreeding studies. We are looking forward to working with Colin.
7. The 1993 Contact Meeting will be hosted by Scott Paper Company in Mobile AL. Full details will be forthcoming. A portion of the meeting will deal with the continuing plans for the 2nd generation breeding activities.
8. A 2-day shortcourse on Best Linear Prediction will be offered to CFGRP members this coming summer. The place and time has yet to be decided.
9. Tom Adams will be visiting us for 6 months starting in January 1994. He will work on developing Best Linear Predictions of breeding values for our CFGRP "minor species" -- longleaf and sand pine.

**2nd Generation Breeding**

This past winter the CFGRP began the first phase of the slash pine 2nd generation breeding. We are very pleased with this year's results. We have made approximately 30% of the polymix crosses and 20% of the full-sib crosses. In addition, hours of work was spent this past winter collecting and extracting
pollen for next year’s breeding. The CFGRP staff was directed to develop a plan for a Coop-wide system for tracking flowering in clone banks.

**Research Reports**

1. Hybrid Study - A revised field design of the CFGRP Hybrid study was discussed and adopted. The seedlings for this study will be grown in cooperative members’ greenhouses in the summer of 1994 for planting in December, 1994.

2. Genotypic Identification on Top Clones - The question was raised as to whether or not we should genotypically identify our top CFGRP clones. These clone are currently being grafted in members’ new 2nd generation orchards. The CFGRP staff was instructed to look into methods and costs associated with genotypic identification of our top slash pine clones.

3. 10th Year IMPAC Results - Results from the 10th year measurement of the IMPAC tests show: 1) Three-fold (300%) volume increase with fertilizer and herbicide control (approximately 20 feet additional height growth at 25 years) 2) Two to 2.5 times volume increase depending on genotype and 3) Increasing pest problems with increasing culture.

4. Verification of R50 Breeding Values - A large independent study has verified that the R50 breeding values are precise and accurate. R50 predictions are stable across environments, and can be used to predict infection of given seedlots at any level of rust hazard.

5. Seed Orchard Pesticide Research - A 1991 southwide study in six loblolly and three slash pine seed orchards comparing the effectiveness of aerially applied Guthion and Capture to control cone and seed insects has been completed (see 1993 CFGRP Progress Report). Both Guthion and Capture significantly reduced insect damage compared to the control. In a separate study conducted in 1992 using Guthion at 1.0, 1.5, 2.0, 2.5 and 3.0 lbs/acre/application, initial analyses indicate that all rates significantly reduced insect damage compared to control and there were no significant differences between low and high rates of Guthion.

6. Economics of Tree Improvement - A "quick and dirty method" for calculating the economics of tree improvement was introduced. This management tool can be used to 1) justify a tree improvement budget and 2) calculate the gain from using seedlots of different breeding values given a certain reforestation load.

**Fiscal Matters**

The budget for fiscal year 1993-1994 was reviewed and approved. There will be no dues increase for FY 1994-1995.

**Executive Committee**

The Executive Committee of the CFGRP now consists of:

- Jim Karels, Chair
- Greg Leach, Past Chair
- Paul Belonger, Future Chair

John Hendrickson rotates off of the Executive Committee after three years of excellent service to the CFGRP. The next time you see John be sure to thank him for a job well done! Also, we want to thank Greg Leach for all of his efforts as the Chair of the Advisory Council for the past year. It is truly our pleasure to work with individuals who are willing to provide such sound direction for our cooperative.