MINUTES OF ADVISORY COUNCIL MEETING

*Actions and motions are noted by an asterisk.

1. **Introductions:** Frank Vande Linde chaired the meeting and facilitated introductions. The Georgia Forestry Commission was welcomed as a new member to the CFGRP.

2. **Overview of Advanced Generation Slash Pine Program:** Tim presented a brief history of the CFGRP slash pine program and detailed the need for accurate and precise parental rankings from progeny test data. Messy data complicates the analysis of progeny test data and Best Linear Prediction was introduced as an improved method of predicting parental breeding values from progeny tests.

3. **Newly Predicted Breeding Values for Slash Pine Selections:** Best Linear Predictions for rust resistance and volume per tree at 15 years have been developed for nearly 1000 parents. Gary described the relationships between the newly predicted breeding values and the former clonal evaluations for the same parents. For rust, the rankings agreed very closely while for volume the differences between the two systems were larger. If further testing substantiates the value of Best Linear Prediction, it will be adopted by the CFGRP as the new method of analyzing progeny test data.

4. **Data Management:** Greg complimented cooperators for measuring nearly all of the tests due and for smooth electronic transfer of the data to Gainesville. He presented an example of how important the data management system was in developing Best Linear Predictions of breeding values. Several large files (totaling 256,000 data entries) had to be merged, sorted and transformed to implement the BLP calculations.

5. **Making Advanced Generation Slash Pine Selections:**
   a. The Coop will begin making selections from full-sib progeny tests this summer and fall. UF staff will develop a computerized list of candidates to examine in the field and visit each cooperator at the beginning of the selection process.

   * b. A motion was made and passed: Cooperators will take cores for specific gravity on all candidates. UF Staff will work out the technical details.
6. Clone Bank Development: Each Cooperator should be developing a 10-acre clone bank site for the second generation selections.

   a. A motion was made and passed: The revised proposal to conduct a rootstock screening research project in the clone bank was approved.

   b. All members should be growing the Rootstock and planning on grafting in early 1988.

   c. UF Coop staff will 1) provide randomization schemes and maps for the study and 2) visit each cooperator during grafting.

7. Screening Rust-Free Selections:

   a. A motion was made and passed: 70 more rust-free selections will be screened for fusiform resistance at the USFS Screening Center. Cooperators will be billed directly by the Screening Center for $265 per Cooperator.

   b. A motion was made and passed: The Cooperators will be billed directly by the Screening Center for $400 per member to cover 1/3 of the costs of Sonia de Souza's Ph.D. research. This bill will be separate from that for the operational screening of rust-free selections.

   c. A letter will be sent to each member prior to the billing so that purchase orders can be written.

8, 9, 10. Fiscal Matters: Tim presented the actual, projected actual and proposed budget for the 85-86, 86-87 and 87-88 fiscal years, respectively.

   a. A motion was made and passed: The current Post-Doctoral Associate position will be changed to an Assistant Research Scientist and advertised to be filled by 3/1/88.

   b. A motion was made and passed: The proposed 87-88 budget was approved.

11. Relative Contributions to the CFGRP: Tim presented the approximate contributions by the University of Florida and the Cooperators to the total costs of the CFGRP. The University contributes 1/3, and Cooperators 2/3.
12. **Thinning Longleaf Pine Seedling Seed Orchards:** Harm described the new composite evaluations for longleaf pine families. Based on the new evaluations, all seedlings from parents in the lower 50% of the families should be rogued from each eight year old test.

13. **High Gum Selections:** Harm and Charles Akins will be making 35-40 selections in USFS High Gum progeny tests. These will be incorporated into the CFGRP slash pine breeding population.

14. **Pitch Canker Resistance:** Don Rockwood summarized the work by he and George Blakeslee on testing slash pine selections for pitch canker resistance. Currently, data exists for some 200 original selections and by the end of 1987 rankings will be available for 300 of the original selections. There appears to be little if any correlation of pitch canker resistance to volume growth rate and rust resistance.

15. **Realized Gains in Slash Pine:** Gary summarized realized gains in slash pine. Based on over 400 progeny tests, offspring from the original selections averaged 12%, 10% and 12% more volume than unimproved check lots at 5, 10 and 15 years. These would be the gains expected from an unrogued first-generation orchard. Realized gains in rust resistance roughly matched the predicted gains made from Best Linear Prediction.

16. **Biotechnology:** Mark Lesney highlighted his work on biotechnology of slash and Loblolly pines.

17. **Group Discussion:**

   a. The group expressed sincere thanks to Frank Vande Linde for his year of service as the Chair of the Advisory Council and in general for 30 years of service to the CFGRP.

   b. The 1987-1988 Executive Committee is:

   Clifford Henry, Chair
   Frank Vande Linde
   John Pait

   c. A motion was made and passed: Companies that own land on which CFGRP orchards and clone banks are planted will manage same. The genetic material will remain property of the CFGRP.