

Tissue Culture for Petunia Breeding Program

Callus was successfully produced from anthers of petunia flowers cultured entirely on an artificial media. Subsequently, shoot and root growth have been induced and we now have test tube plantlets. Hopefully, haploid individuals (ones carrying $\frac{1}{2}$ the chromosome number) will be found in these populations which, upon doubling the chromosome number, will yield true-breeding lines. The possibilities for increasing the efficiency of plant

breeding programs in developing new hybrids through this tissue culture technique should be promising.

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The above two summaries are from the Michigan State University *Hort Report*, Spring, 1974. No. 38.