that are homozygous fertile and suitable for replication.

Perkins, D. D. Conidiating colonial strains

Replication of the conidiating colonial strains or (crisp. 8123) and rg cr (ragged, crisp 853, B123) has been described by Maling (1960 J. Gen. Microbiol. 23: 257), cr x cr crosses we fertile, but colonies are too large to make it worthwhile to replicate directly from ascospore platings, ig or colonies are smaller and replicate well with velveteen or filter paper, but ig or x ig or crosses ore sterile, so that applications are limited to conidial platings. Maling employed creffectively to study recombination by using a 32-pronged replicator and specially prepared moster plates. rg cr or derivative microconidating strains (rg cr; pe ff) hove

Schroeder 1970 Mol. Gen. Genet. 107: 291 ). I have found another combination of genes that seems to possess the favorable features of both cr and rg cr. When sn(snowflake, C136; Mitchell 1959 Genetics 44:847) is combined with cr (B123), the double mutant is homozygous fertile, and an cr ascospores or conidia form compact conidiating colonies similar to rg cr, that plate and replicate efficiently. (sn, like rg, is located close to the centromere of linkage group I not for from cr). Although an cr hasn't yet been tried out in actual mutant hunts or recom-

been used for selecting auxotrophic (Maling) and radiation-sensitive mutants (Chang and Tuveson 1967 Genetics 56:801;

bination experiments, its potential usefulness prompts this preliminary account. Crosses are conveniently made in 15 cm tubes on slants of minimal synthetic cross media using mixed suspensions of spec A and sn cr a conidio. Perithecia are abundant but mature rather slowly, and ascospores are oozed but not shot from the ostioles. Ascospores from well-aged crosses were suspended, surface-spread and heat-shocked on pm-poured plates. The colonies resemble those of rg cr figured by Maling, and conidiate and pigment well. Conidio do not become girborne. Well over 100 colonies per plate

m cr stocks of both mating types have been deposited with the Fungal Genetics Stock Center (FGSC#2001 and 2002). - - -Department of Biological Sciences, Stanford University, Stanford, California 94305.

should be resolvable when replicated as described by rg cr by Maling (filter paper) or Schroeder (velveteen).