

be kept in mind that mites can easily be passed from bottle to bottle by handling.

Most of the trouble with molds can be avoided by starting cultures at the optimum temperature until larvae are present. Of course in slow breeding species such as *sulcata* or *repleta* parent flies should be matured in small vials for a week to ten days. If a multiple mutant stock, or any one difficult to carry becomes infected with mold or harmful bacterial growths, flies to be used as parents from this stock may be kept for a few days in a vial with a hardy culture of some other species. Here the larvae of the second species keep down the mold and the flies of the first stock have a chance to mature in a mold-free environment. Assume that mold spores will be spread by infected etherizing bottle, or any other piece of apparatus used in manipulating flies and take necessary precautions to prevent this.

Demerec, M.    Control of mites.    As a preventative measure against the spread of

mites we are keeping stock cultures (and also all other culture bottles which are used during a long period) standing in a weak soap solution. For this purpose shallow (2 inches or 5 cm high) galvanized iron trays are used. These are made to order to fit our shelves (usually 12 x 36 x 2 inches). In case any of the cultures is infected with mites the soap solution prevents their spread to adjacent cultures and keeps the infection under control. Some of our trays have been in use for over five years without any sign of wear. The initial cost for trays, therefore, is spread over a long period. Mites can also be controlled effectively by avoiding accumulation of old culture bottles and by wiping frequently, shelves and tables, with carbon tetrachloride or kerosene. (Copied from DIS 2:61).

Gottschewski, G.    Control of mites.

Beim Auftreten von Milben werden Kulturf Flaschen und Abstellre-

gale regelmässig mit einer 5% igen Sagrotan-Lösung abgewaschen. Ausserdem werden die vermilbten Kulturen 2 Tage nach ihrem Ansetzen erneut in frische Flaschen umgesetzt. Die Milben bleiben fast vollständig im Futter der alten Kultur und die umgesetzten Fliegen sind Milbenfrei. Dadurch ist es gelungen, die Milben vollständig zu vertreiben.

Gwen, John W.    Control of mites

Three of four years ago I would have said that the control of mites was

relatively simple. At the present time, however, in view of my experience of the past two years, I do not consider it quite so simple - although entirely possible. My method of control consists in using cotton-stoppered bottles and in transferring pairs as soon as they hatch. This method repeated three or four times has, in every case, freed the culture of mites. Using paper caps it does not seem possible to control mites by this