

flow rate and air pressure. There is only one satisfactory nozzle commercially available for this equipment. This precludes the possibility of changing nozzles to produce varying particle ranges.

**SUMMARY.** A non-thermal aerosol fog generator was designed in a series of tests to produce an insecticidal aerosol in the range of 20 to 30 microns mmd. Several insecticidal formulations were used. With 6.7 percent DDT in oil, particles produced ranged from 22 microns mmd at 300 feet to 26 microns mmd at 50 feet, when the equipment was operated at the rate of 40

gph and 5 psi air pressure. Particle size was varied by changing either or both the rate of liquid flow and the air pressure used for atomization. Addition of 5-10 percent SAE 50 oil to the formulation did not produce a measurable reduction in the evaporation rate of the particles produced.

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### THE MEMBERSHIP COMMITTEE

P. Bruce Brockway, Jr., Chairman of the Membership Committee, writes that his assistant chairman, Pat Nakagawa has been "doing an excellent job of signing up new members in Hawaii."

Since it is budget-making time for many Districts, Bruce included the suggestion that in states where such activity is permitted, "those in charge of the budget should look into the matter of memberships to be bought by the District itself. . . . Each District should realize that its primary source of information is the American Mosquito Control Association and that the Association stands ready to assist any District in any possible way; therefore, each District should reciprocate by maintaining membership in the Association. Furthermore, there are some Districts that owe their existence to the Association and they should reciprocate to the Association.

"Each member is morally obligated to let others know the full value of the Association and back this group by inducing others to join in our common battle on mosquitoes wherever it is deemed necessary."

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