

Chapter VI

CONCLUSION

The aqueous extract of the berries of S. sanitwongsei and of S. trilobatum and the alcoholic extract of the berries of S. sanitwongsei, when administered orally to the fasting male and female normal healthy rabbits, inconsistently produced weak, transient, hypoglycemic effect. The extracts were given either in a single dose, once daily for three days (5 g/kg day), or once daily for seven days (10 g/kg/day).

Chlorpropamide, on the other hand, consistently and markedly lowered the fasting blood sugar levels of these animals at the dosage of 60 and 125 mg per kg of body weight.

The inconsistency of the results of the crude drugs might be due to the complication of the excitement hyperglycemia produced by the handling of the animals, to the difference of the quantities of the active components in the ripe and the young berries, and to the difference in the proportion of the components having antagonistic action on the blood sugar levels.

The present studies were limited to the use of normal animals; therefore, these extracts should be studied also under the condition of experimental diabetes.