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Während sich früher die Bekämpfung des Gelbfiebers hauptsächlich auf die Vertilgung des Gelbfieberüberträgers, d. h. der Gelbfiebertmücke beschränken mußte, so konnte 1934 in Westafrika und 1937 in Brasilien zum ersten Male mit der systematischen Durchführung von Schutzimpfungen begonnen werden.

Dies wurde möglich indem es nach längjährigen, mühevollen Forschungen gelang, Impfstoffe herzustellen, welche beim Menschen eine hochgradige, lange dauernde Immunität erzeugen, wobei unangenehme Nebenerscheinungen, soweit sie beobachtet werden, im allgemeinen gering und ungefährlich sind.

Auf Veranlassung der O.M.S. verfaßten einige Forscher, welche bei der Herstellung der Gelbfiebertvaccine und ihrer praktischen Anwendung in hervorragendem Maße beteiligt sind, die vorliegende Monographie.

Im 1. Kapitel befaßt sich SMITHBURN mit der *Immunologie* des Gelbfiebers. Als wichtige Punkte sind angeführt, daß der Mensch nach Überstehen einer Gelbfieberterkrankung zeitlebens gegen eine Reinfektion immun ist. Eine *passive Immunität* durch Einverleibung von Gelbfieberserum ist möglich; der dadurch erhaltene Schutz ist jedoch nur von sehr begrenzter Dauer. Eine *kongenitale Immunität* wird bei Säuglingen bis zum 3. Monat post partum beobachtet, falls