FRACTIONATION OF *E. histolytica* ANTIGEN ON SEPHADEX G 200 COLUMN

ABSORBANCE AT 280 nm

NO. OF FRACTIONS (5 mls each)
Trophozoites of:

Fig. 1. *E. histolytica*

" 2. *N. aerobia*

" 3. *A. culbertsoni*
Fig. IV. Camera lucida drawings of pathogenic amoebae
IHA patterns obtained with Sephadex G-200 fractions of a, E, h antigen

Fig. V. Fraction I.
Fig. VI. Fraction II.
Fig. VII. Fraction III.

Values at right hand show sensitizing dose (in µg) of antigen fraction for sheep erythrocytes.

1 = positive serum
3 = positive serum
N = Negative serum
Fig. VIII. Standardization of optimal dose of *N. aerobia* antigen for macrophage migration inhibition assay (Camera lucida)

Dose of 500 µg was taken as optimal.
FIG. VIII

Area of macrophage migration without antigen

Area of macrophage migration with different doses of N. Aerobia.
Fig. IX. Cross reactivity of *N. aerobia*, *A. culbertsoni* and *E. histolytica* as judged by Gel diffusion precipitin test.

Fig. X-XII. Trends of gel diffusion precipitin test with sera of guinea pigs sensitized with different doses.

Fig. X. *N. aerobia* antigen

Fig. XI. *A. culbertsoni* antigen

Fig. XII. *E. histolytica* antigen

Ag: Antigen; NS: Normal Serum; S: Antiserum

E. h. = *E. histolytica*

A. c. = *A. culbertsoni*

N. a. = *N. aerobia*

50 µg - 2000 µg; sensitizing doses of respective antigens.
Macrophage migration obtained

Fig. XIII. In presence of specific antigen
(N. aerobia)

Fig. XIV. In absence of antigen.
Fig. XV. Radial immuno-diffusion test for IgA

Fig. XVI. Radial immuno-diffusion test for IgM.
Fig. XVII. Transverse section of mouse brain showing cysts and trophozoites of *A. culbertsoni*. (Haematoxylin x Eosin) (a 400x; b. 1000x).