

diaphragmatic aperture for the light, and which is painted carefully on the outside by white lead paint.

I enclose my tubes in a copper globe made in two sections, and easily adjusted to each other; opposite the anti-cathode there is a circular aperture one and a half inches in diameter, about whose rim brass specula (usually about six inches in length) are fastened. Their diameter varies only at the distal end. This is used independently of the shields or for such cavities of the body as are within reach. Pennington is using a combined tube shield and speculum, which are analogous except in that his are provided with handles.

Caldwell's tube for the treatment of cavities has its anode placed at the distal end of a tubular prolongation, which could thus be inserted easily into the rectum, vagina, etc., through any speculum of metal or vulcanite. The difficulty in the construction of this tube (Traux Green Co.) has somewhat marred its efficiency.

Lupus has received the lion's share of the attention of phototherapists and radiographers, and it has given them results well calculated to elate them. Under the X-radiance (or the chemical rays) there occurs a superficial destruction of the tubercle bacilli and subcutaneously a harmless inflammation (Gocht) or hyperaemia (Albers-Schonberg) favouring repair. All careful experimenters agree with Kummell in finding that the first sign of repair begins by the cleansing of the ulcer; from this on, cicatrization proceeds with the drying of the scabs which tend to fall off, whilst the skin round about desquamates, each new desquamation disclosing a new, paler, and healthier skin below.

If your reaction has been more violent, you get a general, phlogistic effect (Schiff), usually resembling burns in the second or third degree. Necessarily the process of repair will be longer, and after the resultant ulcer has become clean, skin-grafting is advantageously resorted to. It is not advisable to wait until nature has well nigh lost its reparative power, but it is best to skin-graft early.

The cure of lupus has been the rule, and among the few failures that I have had, I must place luetic conditions, which yielded readily to the action of the iodides or of the iodides and the light. Whenever a case of lupus does not yield readily to the light, or when the light cure does not seem to be permanent, I bethink myself of the specific treatment, and very seldom do I meet with disappointment.

Having so well succeeded with lupus, we looked for