I. Overview (30 m)

a. Brief history, aerosol exposures

b. Equipment/animals

c. Class III cabinets

d. Procedural video

II. Aerosol generation (15 m)

a. Overview of generation technologies

b. Collison nebulizer

c. Viability

III. Sampling & characterization (15 m)

a. Methods of sampling (impinger, filter, etc.)

b. Particle sizing

c. Deposition and retention

IV. Dose (15 m)

a. Definition of dose

b. Calculation

c. Importance of the 'spray factor'

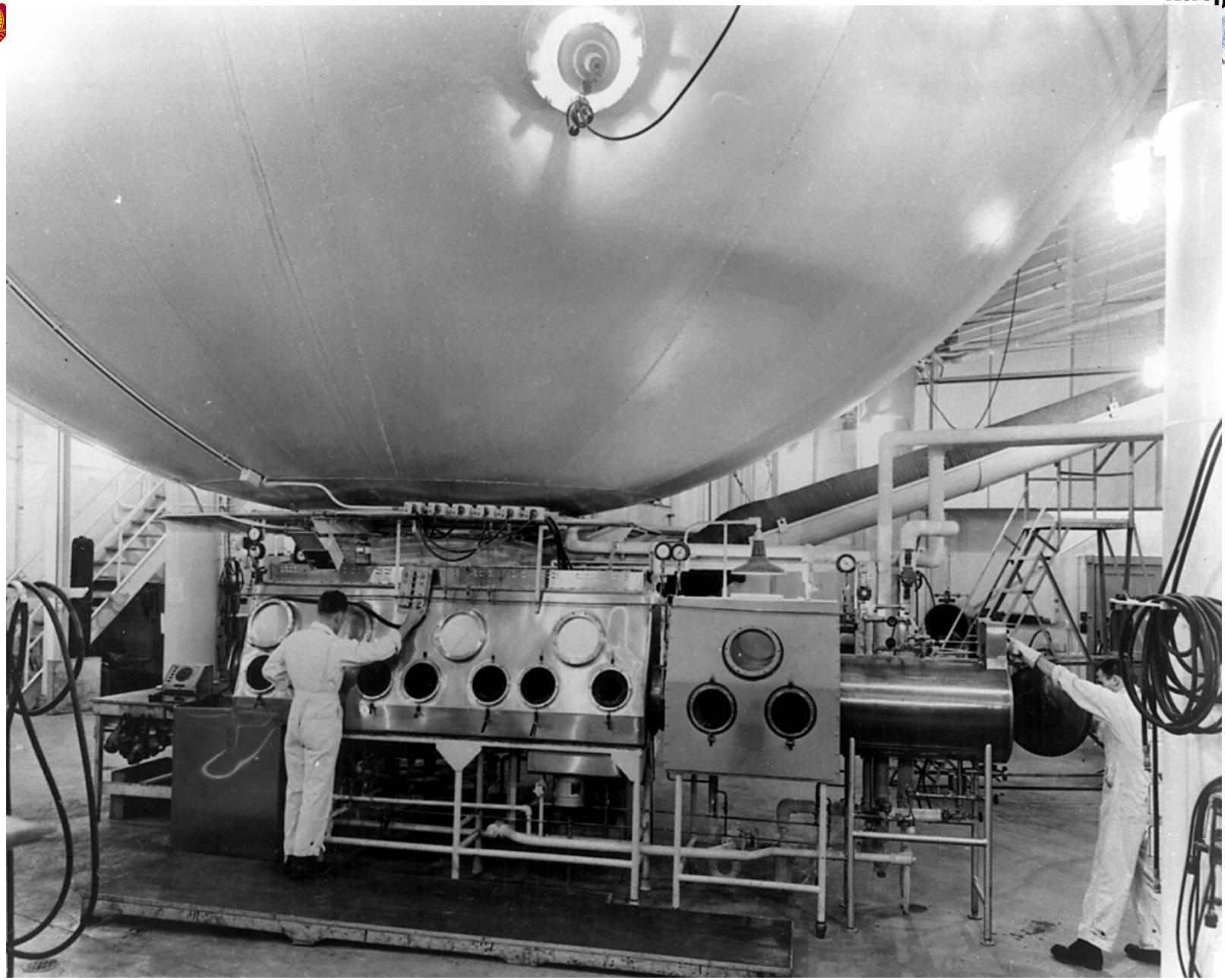
BREAK

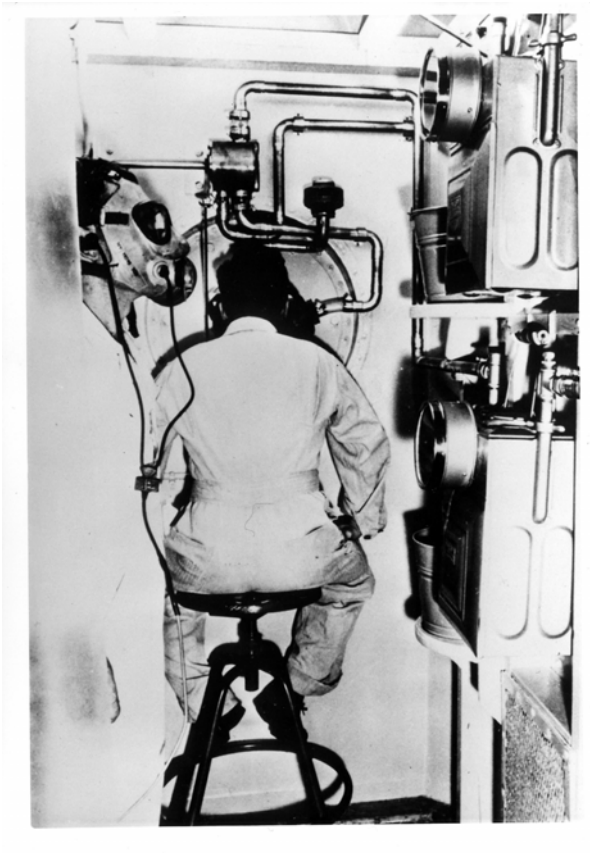
V. Emerging Technology (30 m)

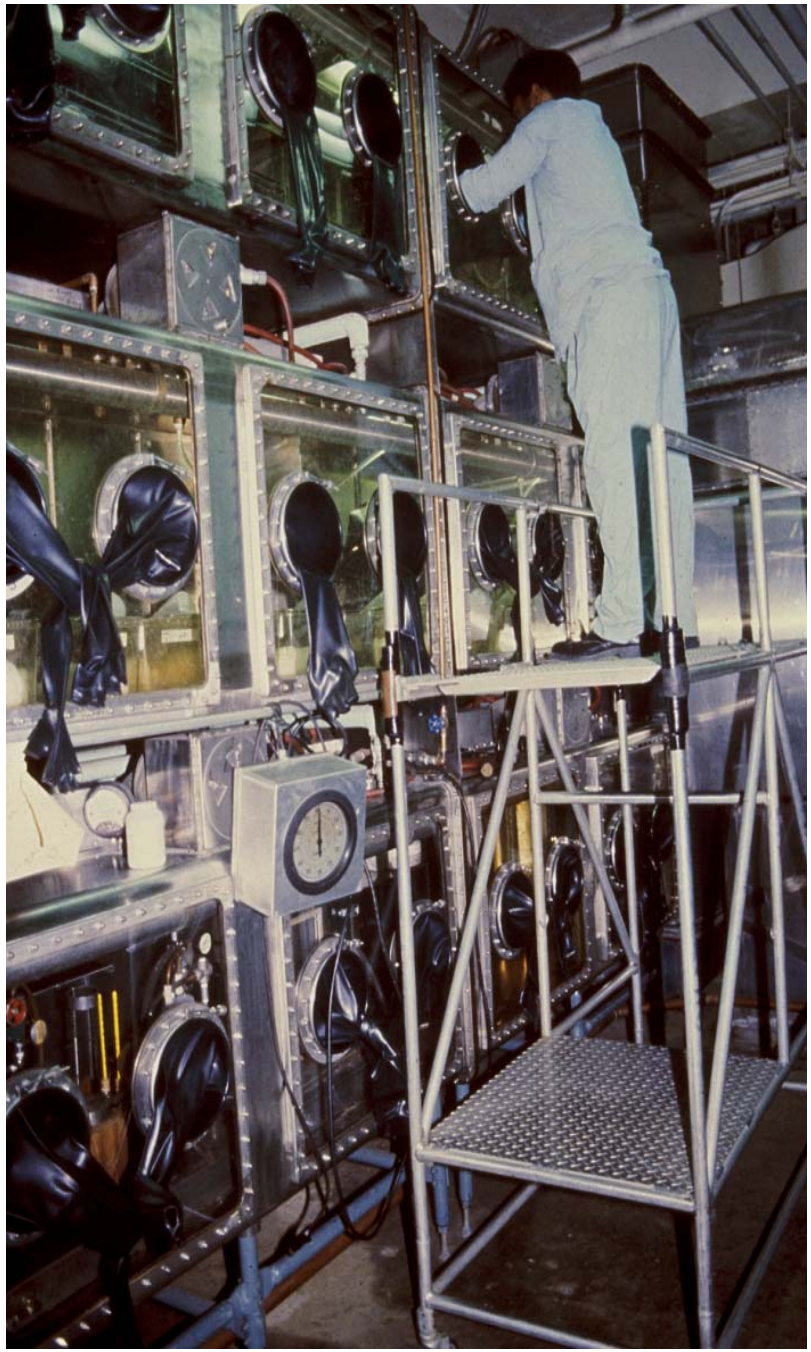
a. Genesis of the automated technology

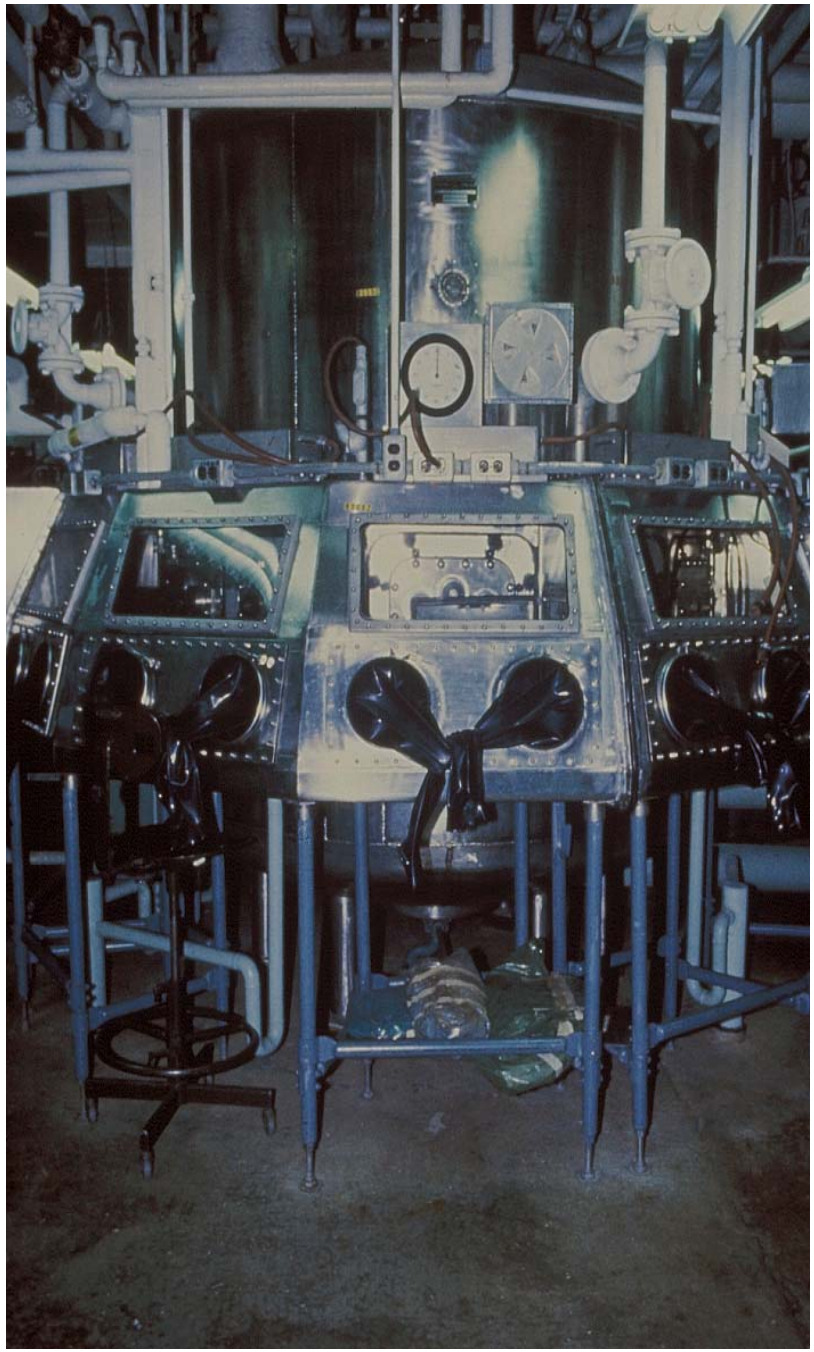
b. Application

VI. Examples: aerosol exp. of animals (30 m)

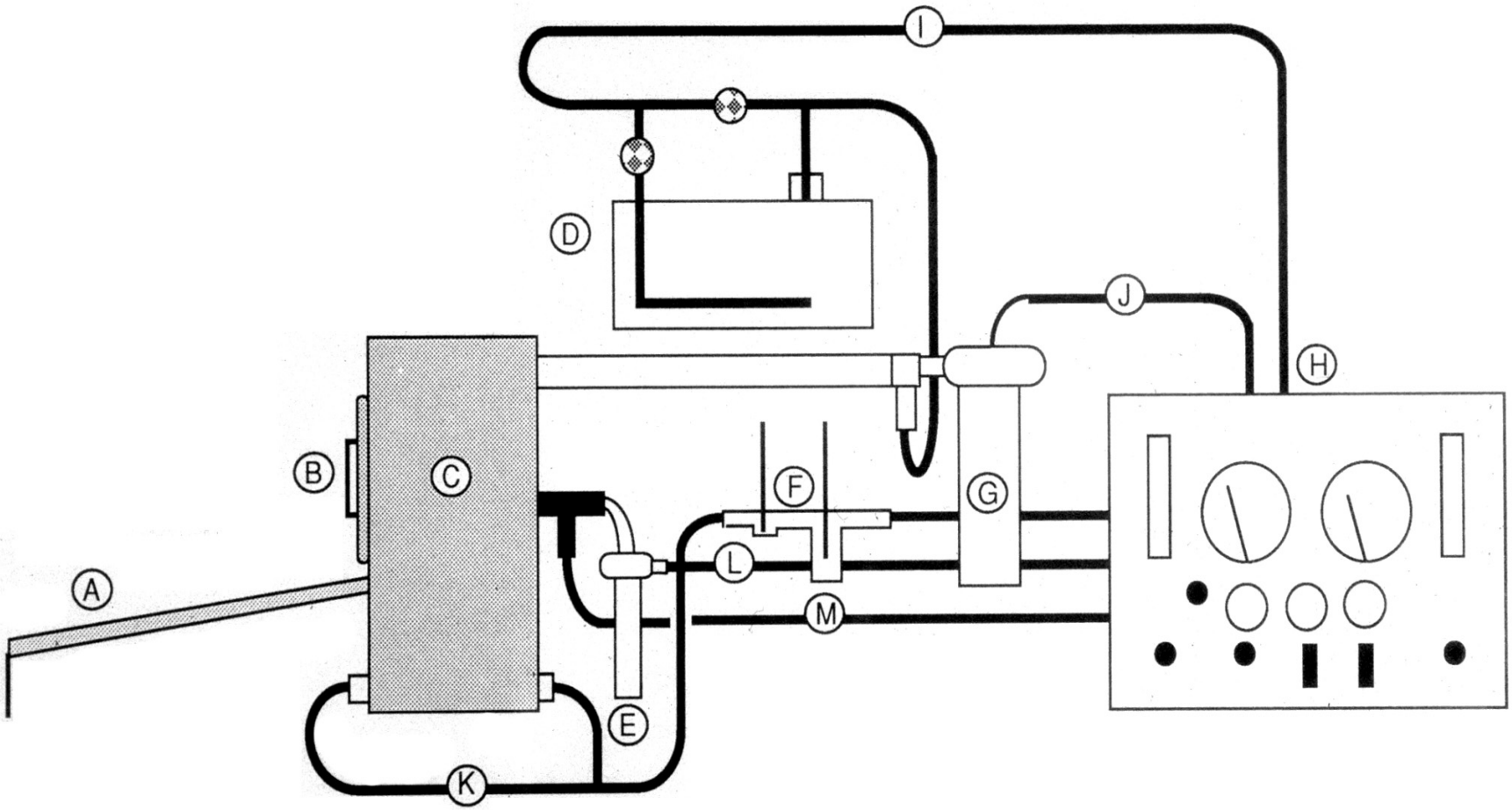








TANK X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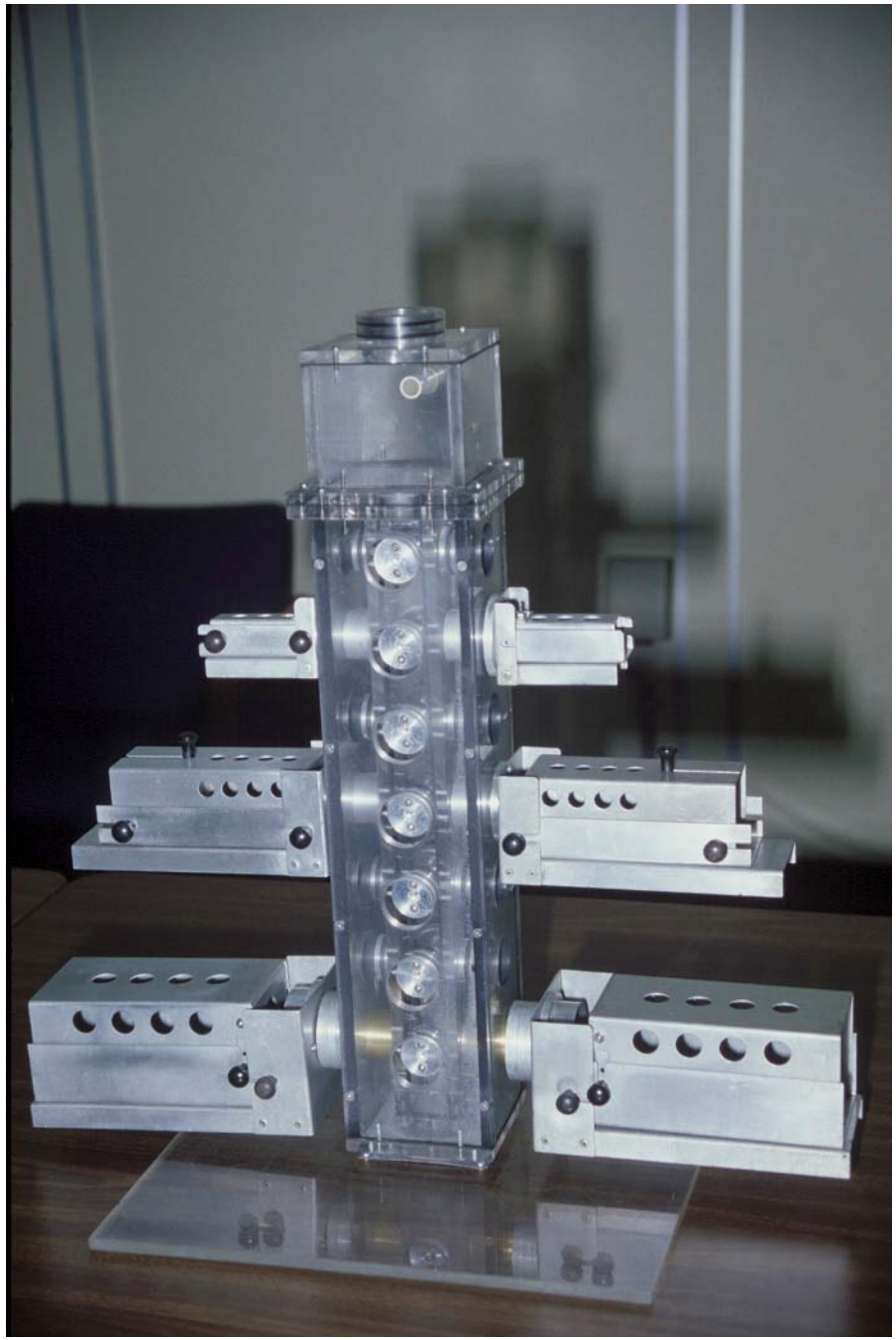

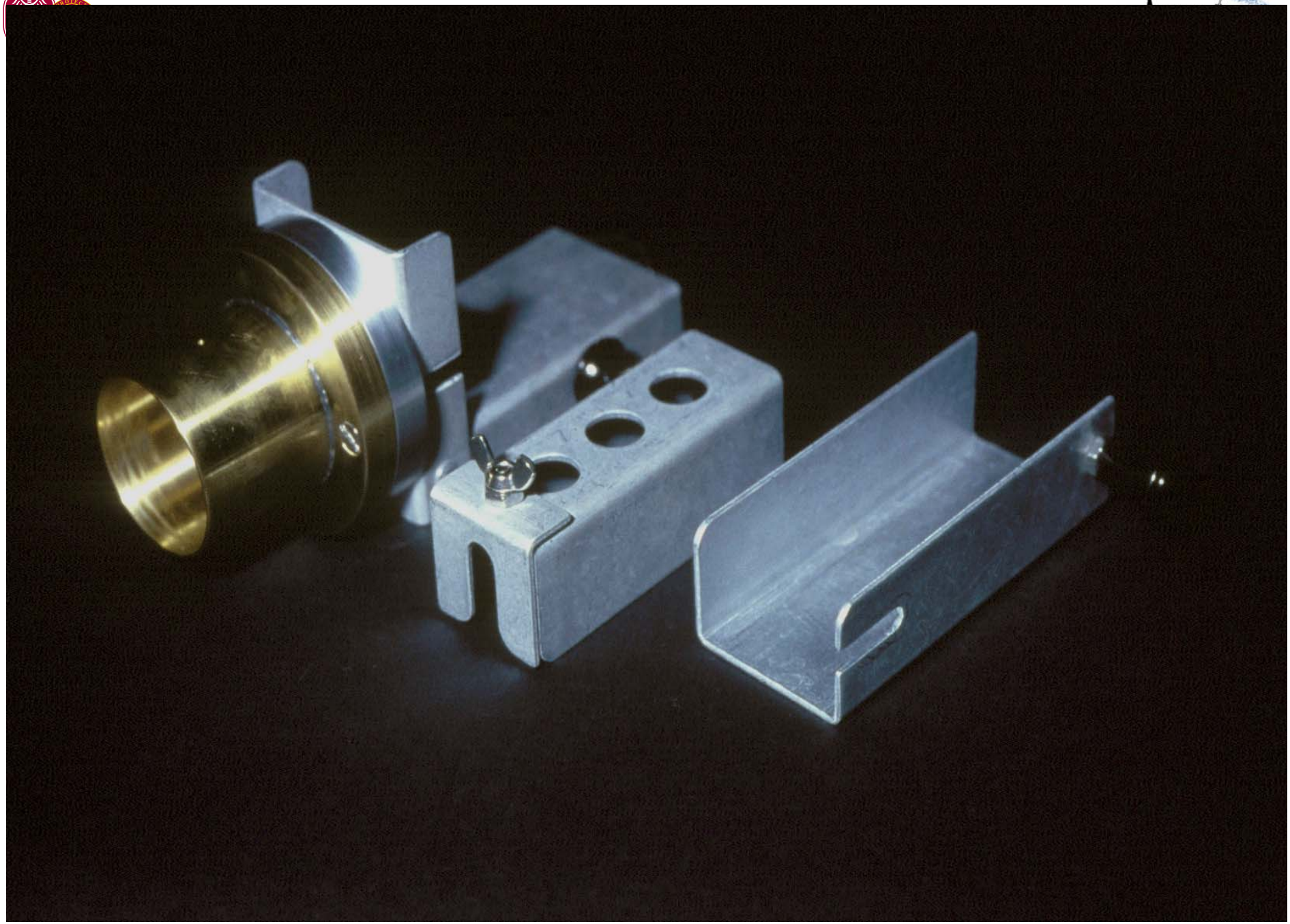

Pass box into Class III cabinet

exposing the NHP

MOV00053

preparing for next exposure

MOV00083