Preventing damage (to floating foils) caused by Rayleigh-Taylor instabilities

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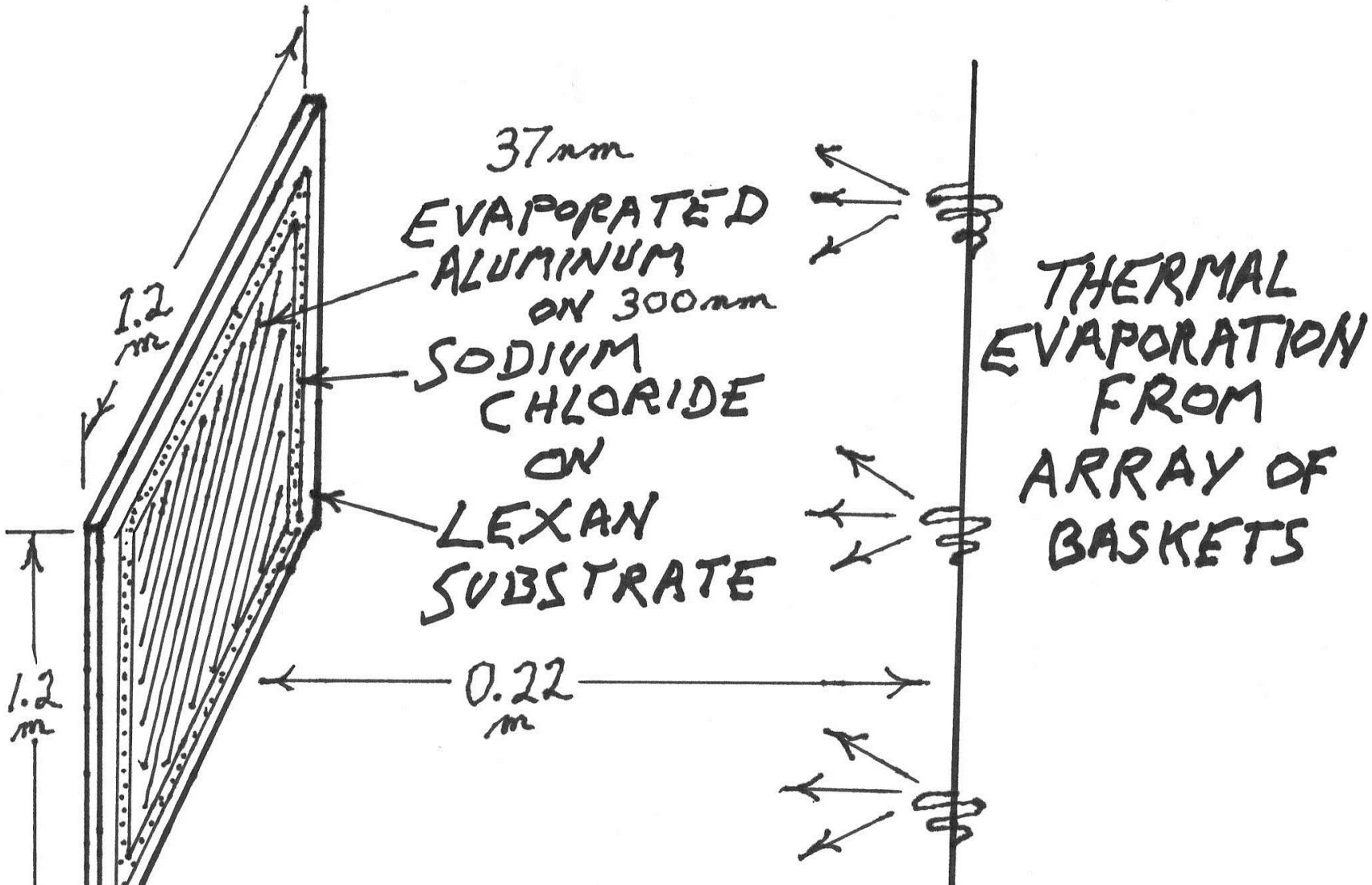
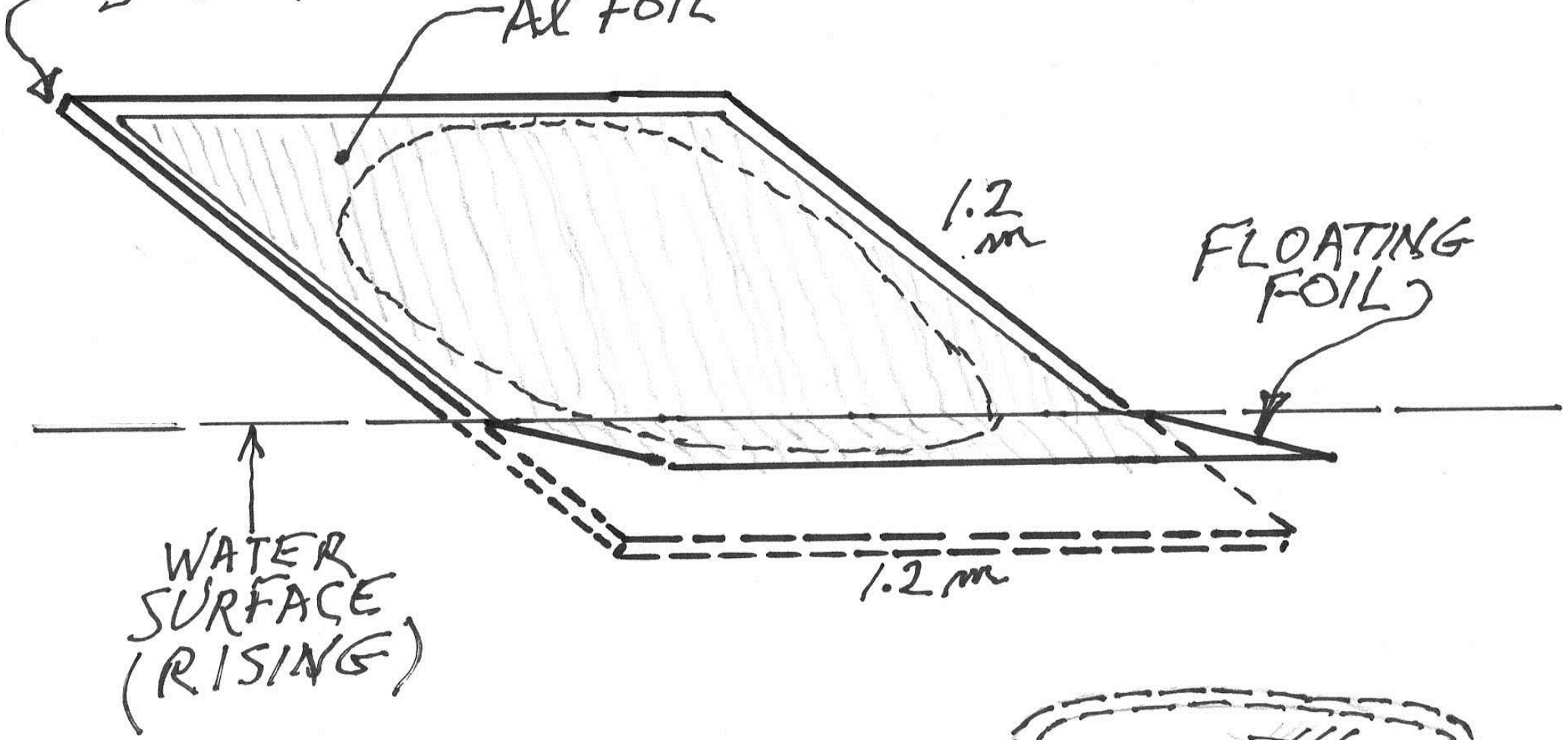
ACF-Metals (The Arizona Carbon Foil Co., Inc.)
2239 E. Kleindale Road
Tucson AZ 85719-2440

INTDS-2018
Oct. 8-12, 2018

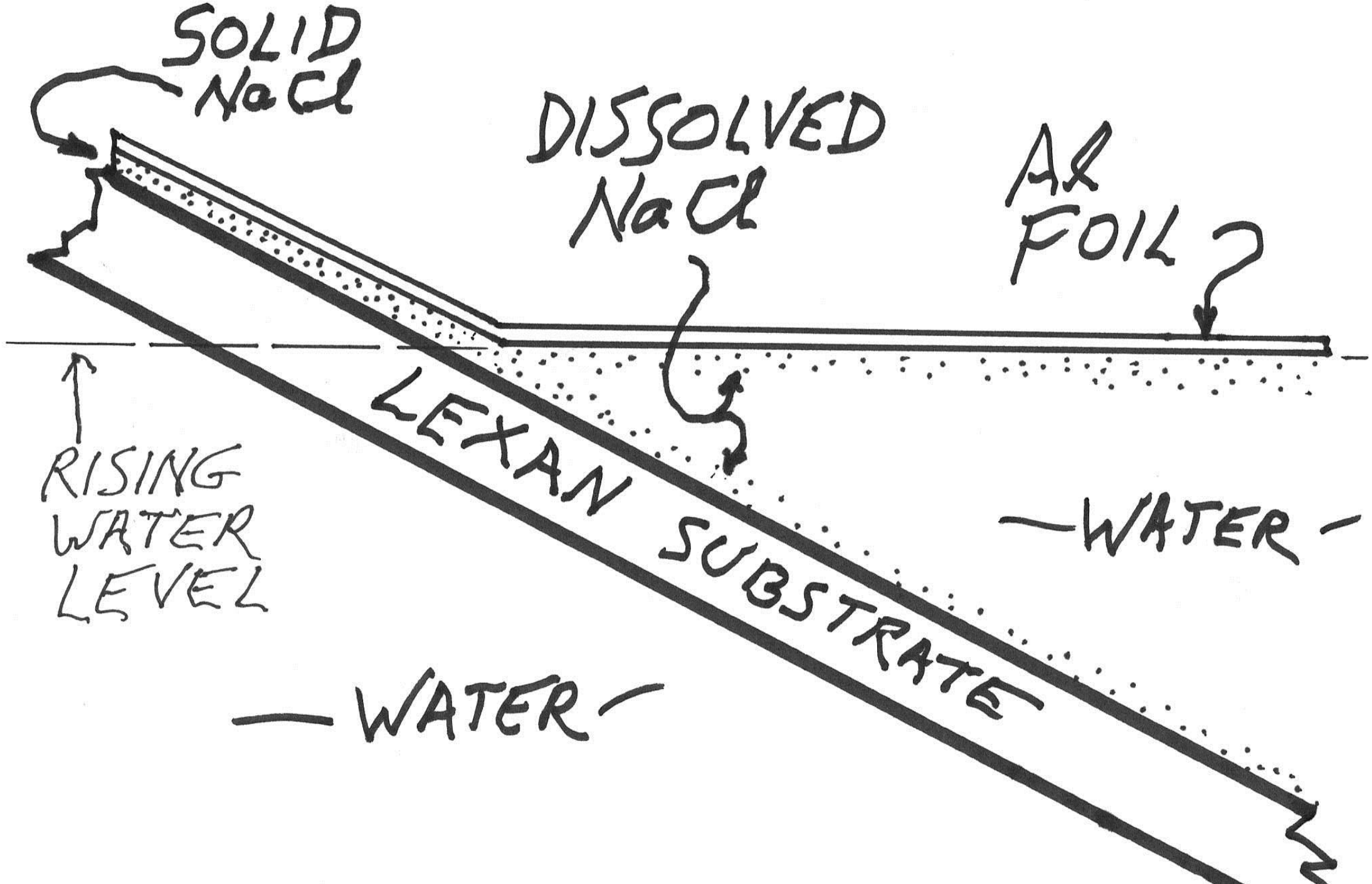
Aluminum foil production:

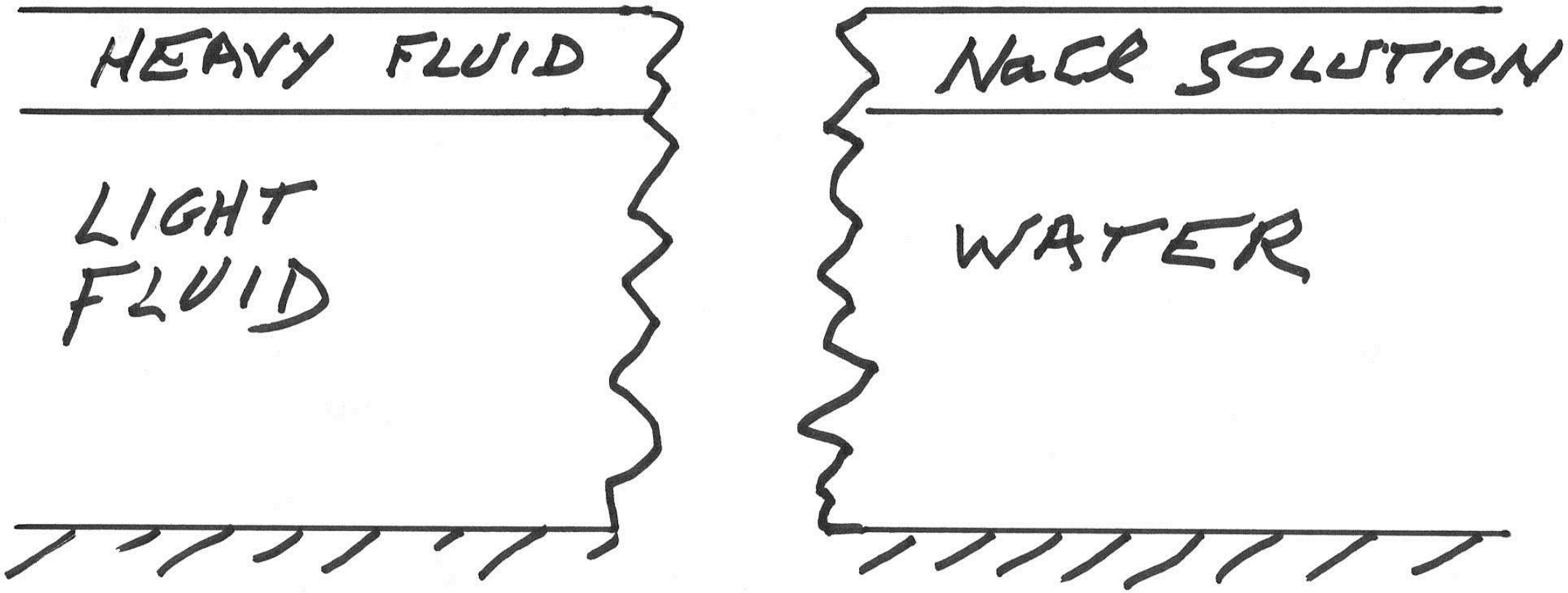




MESH ON RING UNDER WATER

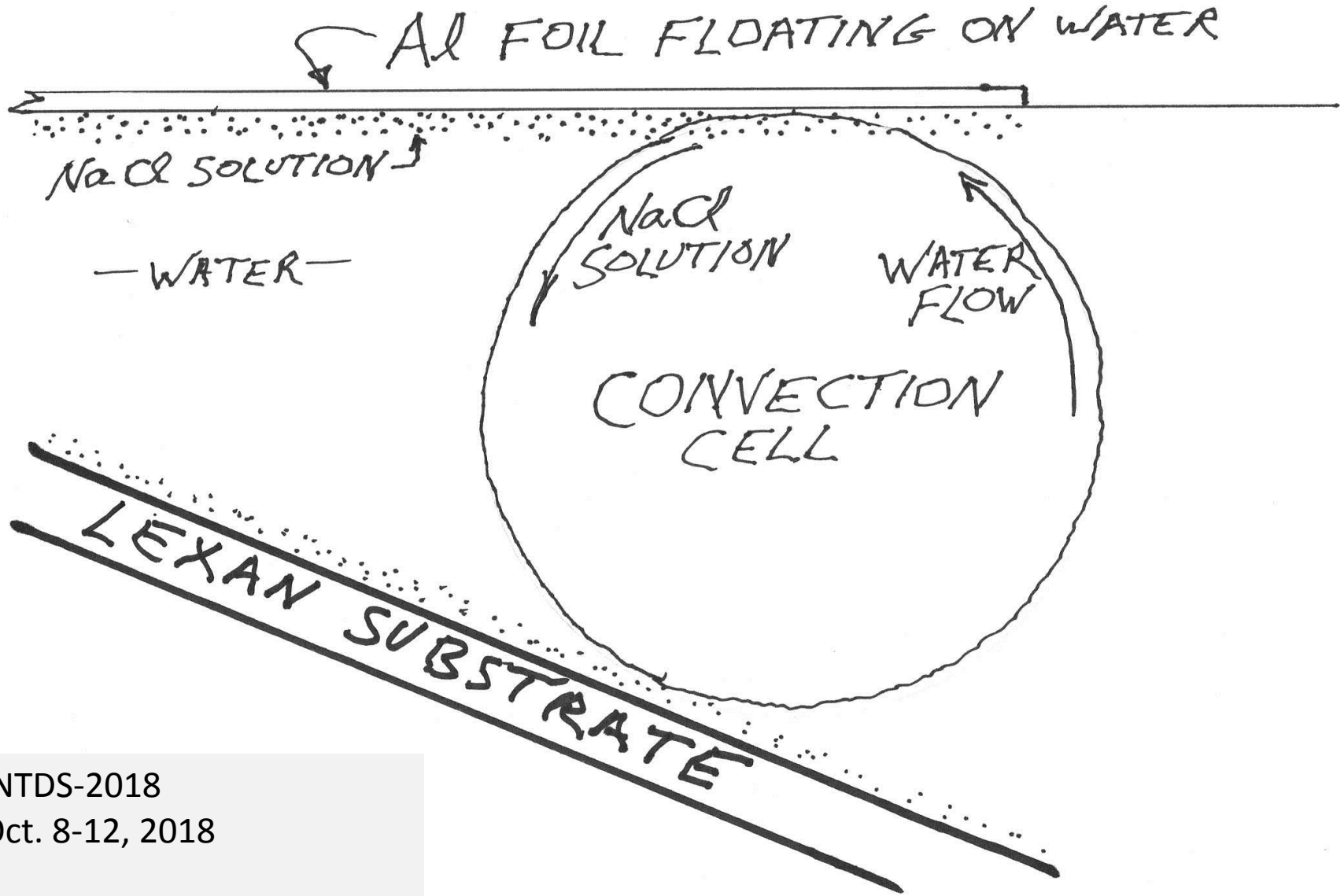
FLOATOFF PROCESS


SOLID NaCl
DISSOLVED NaCl
Al FOIL
RISING WATER LEVEL
LEXAN SUBSTRATE
WATER
WATER

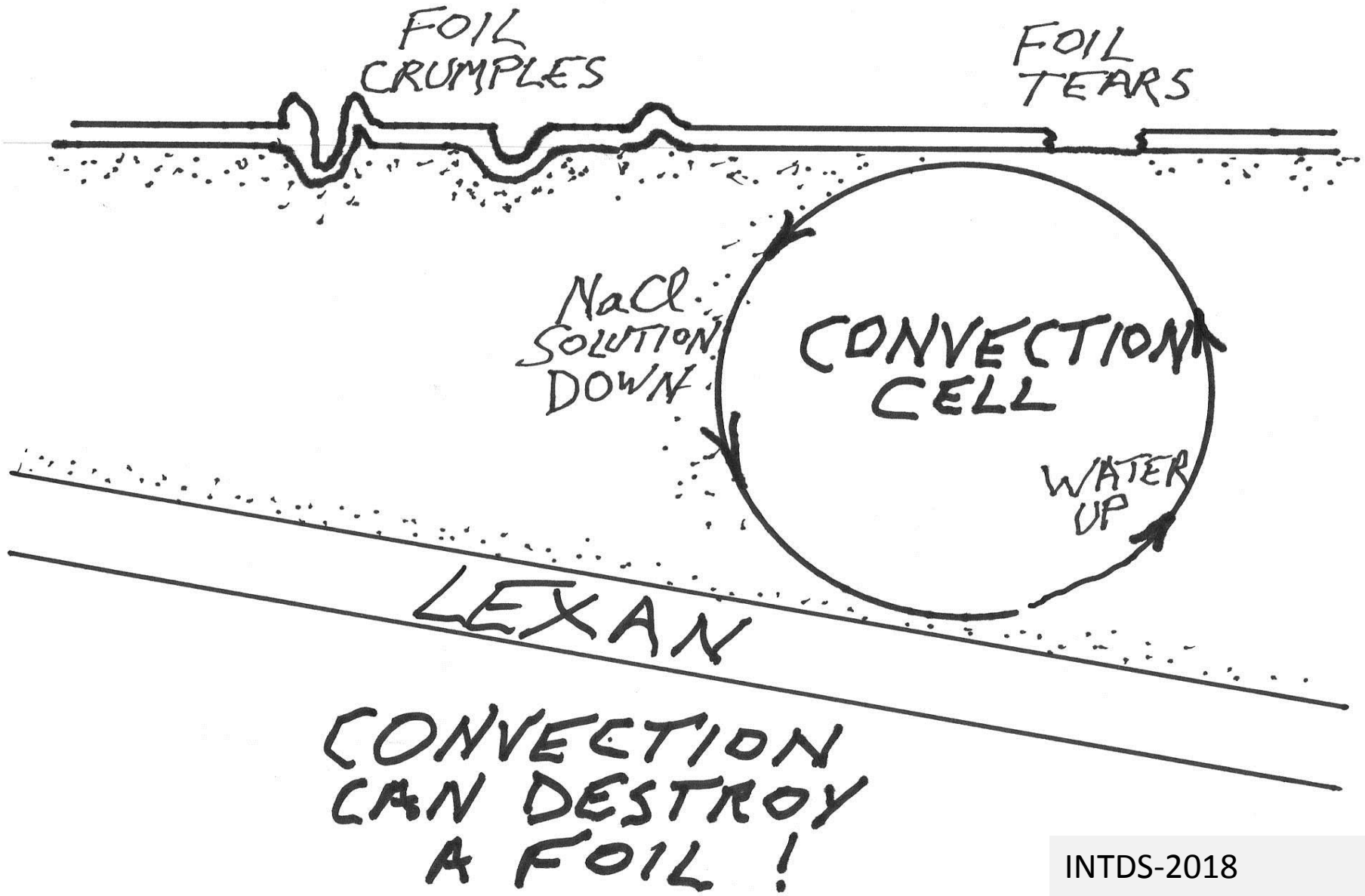


RAYLEIGH-TAYLOR INSTABILITIES

CONVECTION PRODUCTION



INTDS-2018
Oct. 8-12, 2018

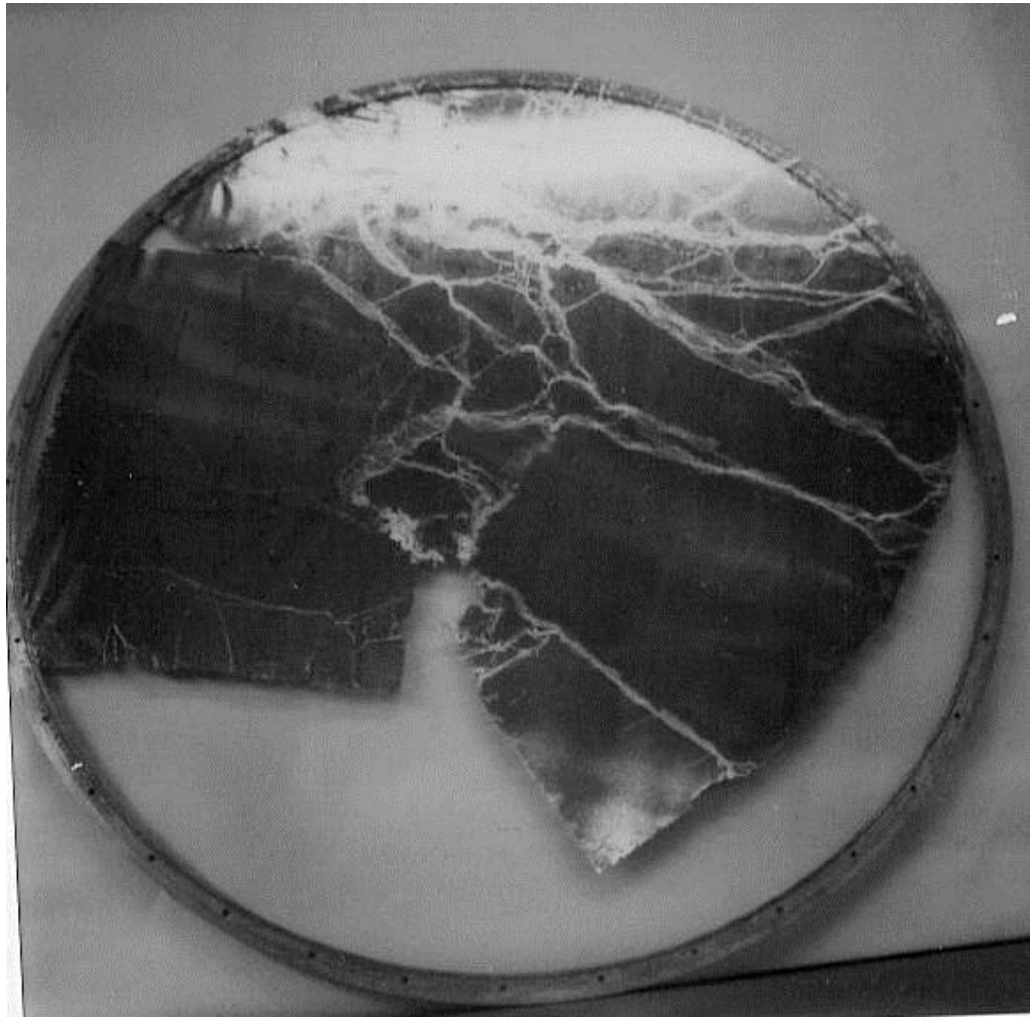


CONVECTION CAN DESTROY A FOIL !

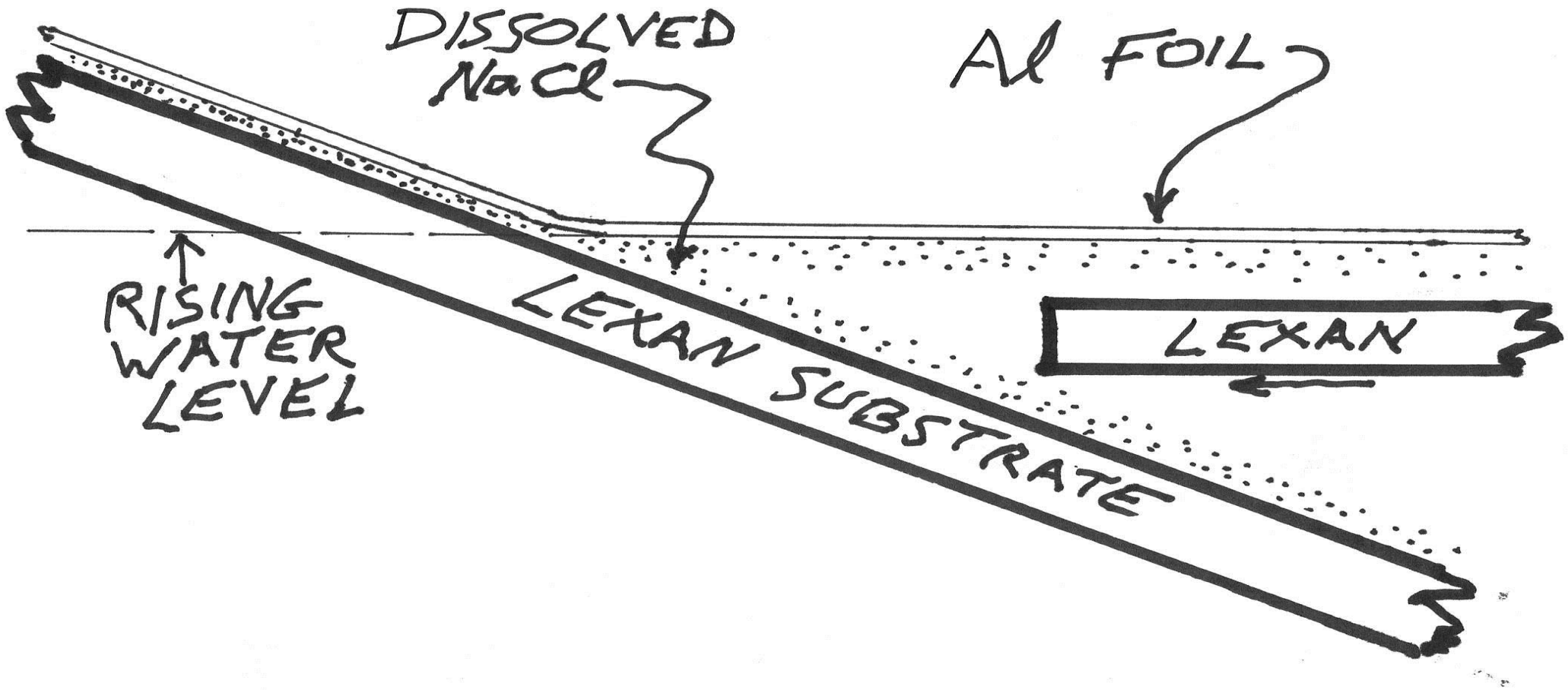
INTDS-2018
Oct. 8-12, 2018

Crumpled and torn due to convection:

92 cm



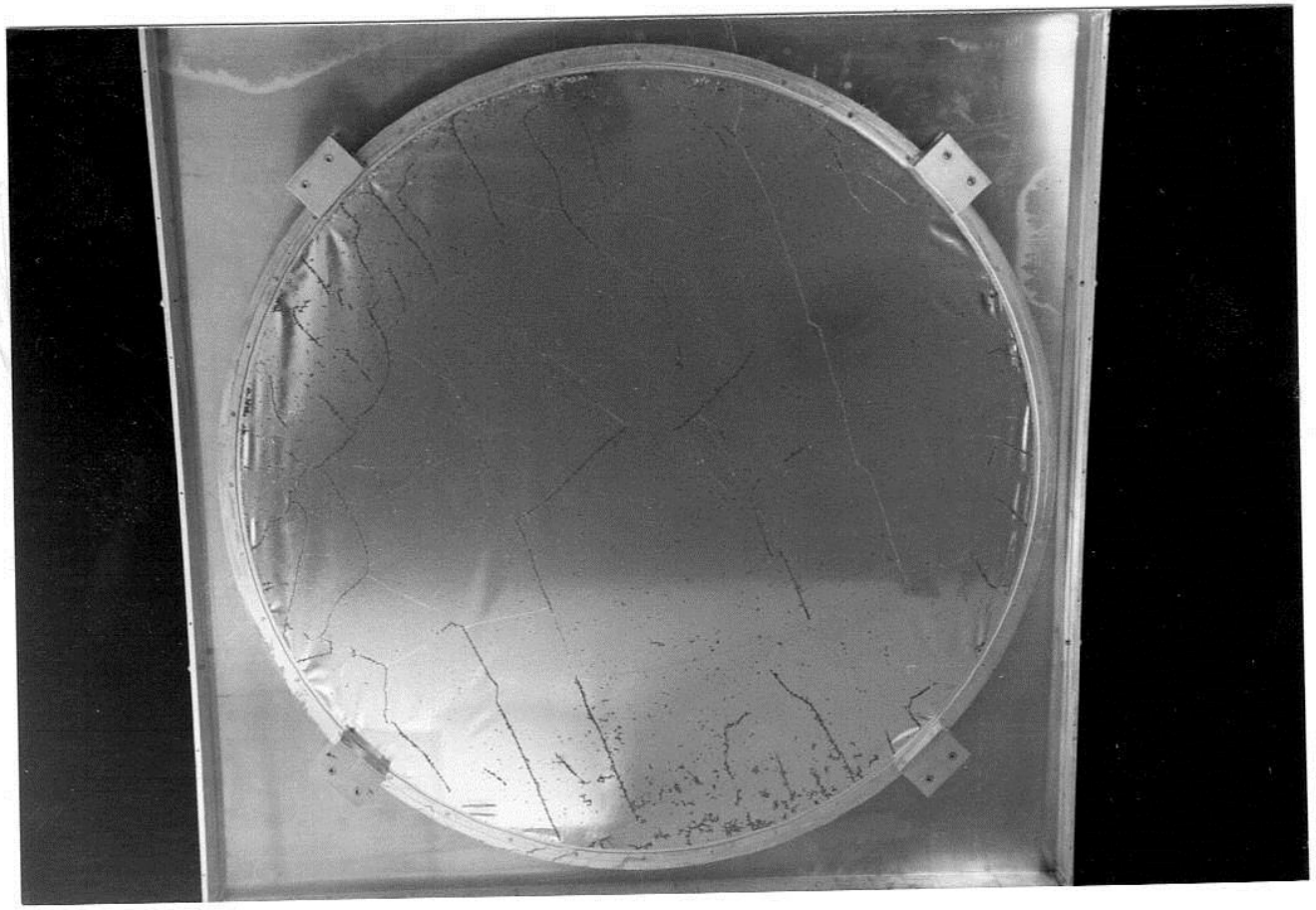
92 cm



INTDS-2018
Oct. 8-12, 2018

CONVECTION - BLOCKING

No convection: Successful foil.



92 cm