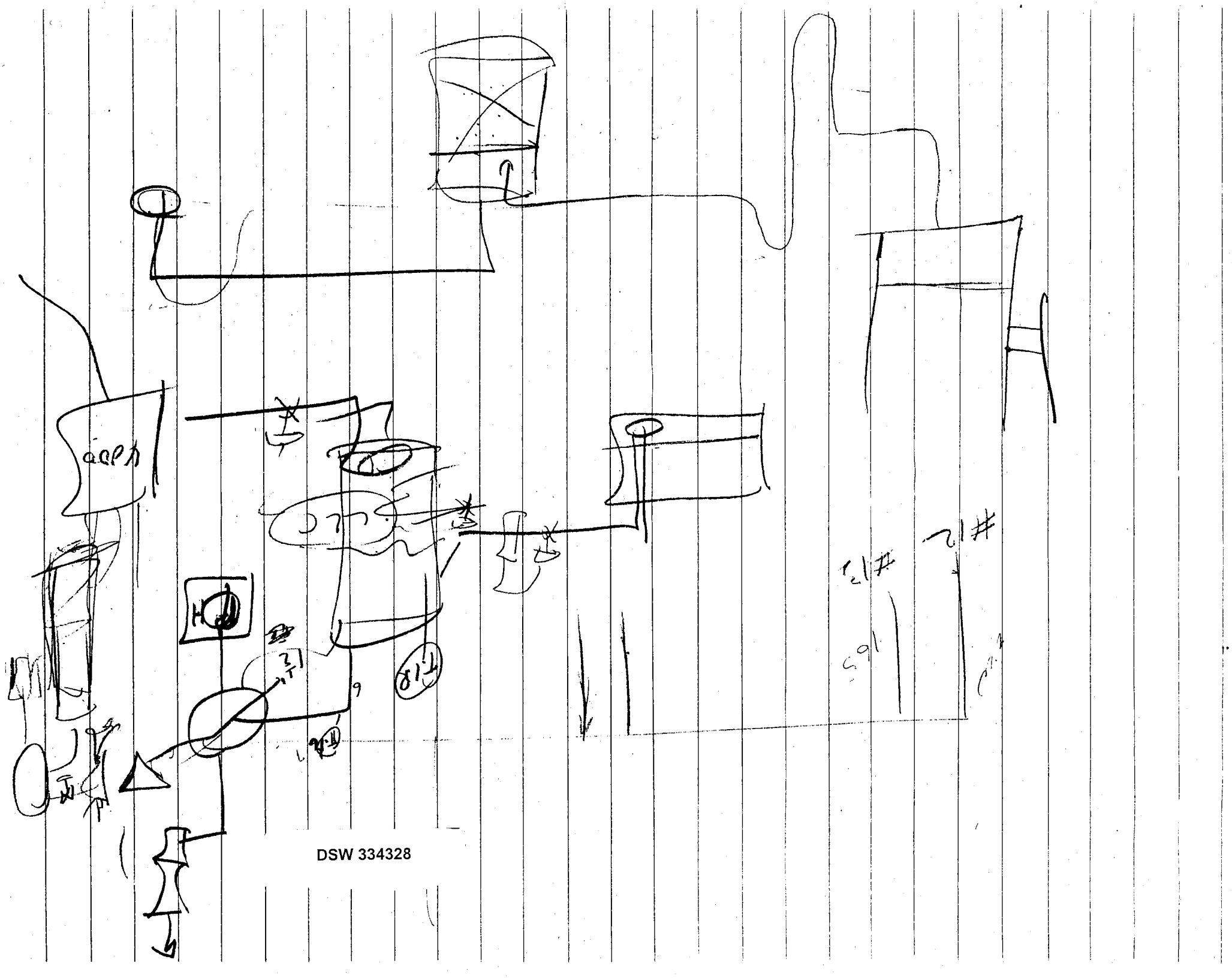
The centrifix corporation has recommend another centrifix that should be much better for the job.

Dr. No. 9284A
1½" Internal Upflow Purifier
Cat. No. 60-133
Price $277 ea

Modified unit above with a separate attachment.
Price $350 ea.

DSW 334327



DSW 334328

STLCOPCB4080906

Hi, Jim,

Enclosed is a drawing of our gas cooler on Aroclor off-gas. It seems to do a pretty good job because we get 5-10 gallons of material collected in the final knockout drum per week from 5 chlorinators. (This is assuming we can buy enough biphenyl from Dow to run for 7 consecutive days)

I have seen the sketch Malloy sent up here on a finned gas cooler and I think it would be less risky to use. On ours, leaks begin after 1/8" of corrosion where you would have 1/4" to get eaten up before leaking.

DSW 334329

The corrosion we experienced was traced directly to water in biphenyl (as high as 300 PPM) and in the chlorine sniff gas (30 PPM) and the method of venting chlorinators and drawing in moist air during emptying.

We now have a recirculating water system which keeps the water temp. in the coolers (and everything else as well) about 10°C warmer than it would normally be.

With our city water range of 2-26°C depending on the season we get water temperatures of 10-30°C max for the coolers. Evidently this keeps the the cooling surface warm enough to eliminate condensing hydrochloric acid. You can find data on $HCl-H_2O$ system vapor pressures in the International Critical Tables.

We sort of miss you around here. Our TSD Group is not near as lively without you.

Sincerely

Bob Penfield

DSW 334330