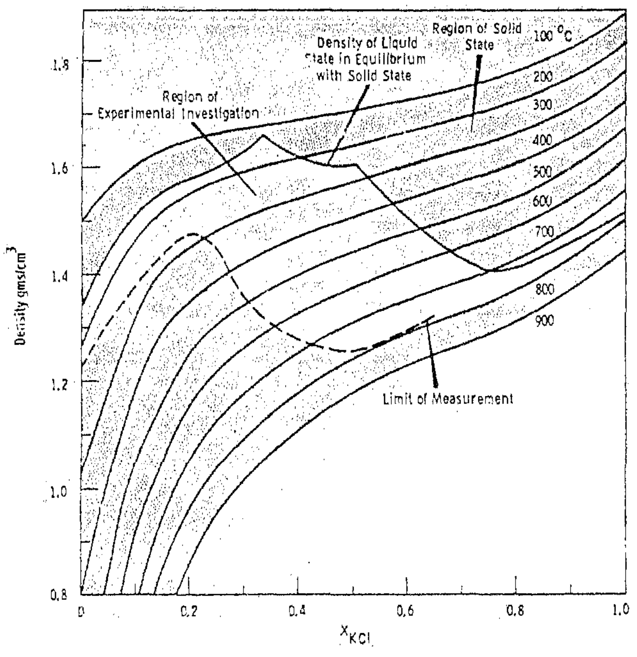

Figure 4. Density of molten mixture of KCl and $AlCl_3$
Phase diagram has been superimposed to show regions of reality

NOMENCLATURE

ρ = density in g./cc.
WF = weight fraction
t = degrees Centigrade
X = mole fraction
G = mass of KCl in sample
T = absolute temperature, ° K.
P = pressure in atm.
V = volume of container minus volume of liquid in cc.
S_d = standard deviation of a single measurement, g./cc.
S_{di} = standard deviation of $A(X)$, g./cc.
S_{d*} = standard deviation of $B(X)$, g./cc. deg.
N = number of data used in least-squares fit

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CORRECTION

In the article "Transport Properties of the Normal Paraffins at Attenuation" by T. R. Galloway and B. H. Sage [J. Chem. Eng. Data 12, 59 (1967)] a number of errors appeared in Table V. The errors in the original table resulted from the improper use of conversion factors in arriving at the Chapman-Cowling diffusion coefficients expressed in square feet per second. The corrected Table V follows.

Table V. Chapman-Cowling Diffusion Coefficient for Binary Systems at Atmospheric Pressure[a]

System	Temp., °F.	Chapman-Cowling Diffusion Coefficient, Sq. Ft./Sec.	Ref.
Methane-air	32	210.97×10^{-6}	Jost (*26*)
Ethane-nitrogen	77	159.31	Boyd (*5*)
n-Butane-nitrogen	77	103.33	Boyd (*5*)
n-Hexane-air	70	86.44	Schlinger (*50*)
	100	90.72	Schlinger (*50*)
	100	92.80	Reamer (*44*)
	130	100.40	Schlinger (*50*)
n-Hexane-nitrogen	59	81.48	Cummings (*18*)
n-Hexane-oxygen	59	81.05	Cummings (*18*)
n-Heptane-air	70	76.46	Schlinger (*50*)
	100	83.36	Schlinger (*50*)
	150	93.64	Reamer (*44*)
	160	98.70	Schlinger (*50*)
	160	98.18	Reamer (*44*)
	170	100.95	Reamer (*44*)
	190	106.07	Schlinger (*50*)
n-Octane-air	195	100.27	Reamer (*44*)
n-Octane-nitrogen	86	76.42	Cummings (*18*)
n-Octane-oxygen	86	75.88	Cummings (*18*)
n-Decane-nitrogen	194	90.52	Cummings (*18*)
n-Dodecane-nitrogen	259	87.51	Cummings (*18*)
Av. dev.[b]		0.014	
Std. dev.[c]		0.017	

[a] Atmospheric pressure is taken to be 14.696 p.s.i.a.
[b] Average deviation defined by:

$$s = \left\{ \sum_1^N \left[(D_{Chp} - D_{Exp}) / D_{Chp} \right] \right\} / N$$

[c] Standard error of estimate defined by:

$$\sigma = \left\{ \sum_1^N \left[(D_{Chp} - D_{Exp}) / D_{Chp} \right]^2 / (N-1) \right\}^{1/2}$$