

sodium bicarbonate, 3 per cent borax, and 4 per cent potassium chloride, using the conventional combinations, the ratio of potash to soda salts being about one to eight.

It seems to me that the problem at Searles Lake should have been attacked from a physical-chemical standpoint. The brine contains a mixture of ions whose equilibria is unknown. Solubilities of sodium and potassium chlorides and sulphates are known, but the separation from Searles Lake brine is complicated by the presence of borates. If this problem had been taken up several years ago in a manner similar to Vant Hoff's work on the Stassfurt salts, it would have very likely saved a great deal of time and money.