

## NOMENCLATURE

- $A_i$  = interfacial area, sq. ft.  
 $D_{Cj}$  = Chapman-Cowling diffusion coefficient for components  $k$  and  $j$ , sq. ft./sec.  
 $D_{F,4}$  = Fick diffusion coefficient for  $n$ -butane, sq. ft./sec.  
 $D_{F,10}$  = Fick diffusion coefficient for  $n$ -decane, sq. ft./sec.  
 $m$  = total material, lb.  
 $\bar{V}$  = specific volume, cu. ft./lb.  
 $\bar{V}$  = partial specific volume of a component, cu. ft./lb.  
 $\Delta$  = difference in  
 $\sigma_k$  = concentration of component  $k$ , lb./cu. ft.  
 $\theta$  = time, sec.

## Subscripts

- $b$  = property evaluated at bubble-point conditions  
 $c$  = transport into the cell  
 $d$  = property evaluated at dew-point conditions  
 $j$  = component  $j$ , the less volatile, or stagnant, component  
 $k$  = component  $k$ , the more volatile, or diffusing, component  
 $l$  = liquid phase  
 $o$  = initial conditions  
 $1,2$  = state or condition

## Superscript

- \* = average value of a property over the process considered

## LITERATURE CITED

- (1) Am. Petroleum Inst., Research Project 44, Petroleum Research Laboratory, Carnegie Institute of Technology, "Selected Values of Properties of Hydrocarbons and Related Compounds."
- (2) Chapman, Sydney, Cowling, T.G., "The Mathematical Theory of Non-Uniform Gases," 2nd ed., University Press, Cambridge, England, 1952.

## CORRECTION:

In the article "Synthesis of  $N$ -(3'-Chloro-4'-methylphenyl)-2-methylpentanamide-1-C<sup>14</sup>" by S.E. Forman and C.A. Erickson [J. CHEM. ENG. DATA 9, 400 (1964)], a block of type has been inadvertently transposed. In column 1, page 401, under the bold heading  $N$ -(3'-Chloro-4'-methylphenyl)-2-methylpentanamide-1-C<sup>14</sup>(VII), the material beginning with the eleventh line, "the aqueous solution was extracted with ether. This ether," through the twenty-second line, "by GPC and I.R. spectroscopy," should have appeared just before the bold heading and following the line, "that the chemical yield of IV was 77%. After acidification,".

- (3) Kirkwood, J.G., Crawford, B., Jr., J. Phys. Chem. 56, 1048 (1952).
- (4) Meyers, C.H., Bur. Standards J. Research 9, 807 (1932).
- (5) Olds, R.H., Reamer, H.H., Sage, B.H., Lacey, W.N., Ind. Eng. Chem. 36, 282 (1944).
- (6) Olds, R.H., Sage, B.H., Lacey, W.N., "Fundamental Research on Occurrence and Recovery of Petroleum, 1948-1949," pp. 25-42, Am. Petroleum Inst., 1950.
- (7) Pomeroy, R.D., Lacey, W.N., Scudder, N.F., Stapp, F.P., Ind. Eng. Chem. 25, 1014 (1933).
- (8) Reamer, H.H., Lower, J.H., Sage, B.H., J. CHEM. ENG. DATA 9, 54 (1964).
- (9) Reamer, H.H., Olds, R.H., Sage, B.H., Lacey, W.N., Ind. Eng. Chem. 34, 1526 (1942).
- (10) Reamer, H.H., Opfell, J.B., Sage, B.H., Ind. Eng. Chem. 48, 275 (1956).
- (11) Reamer, H.H., Sage, B.H., Lacey, W.N., Ibid. 38, 986 (1946).
- (12) Reamer, H.H., Sage, B.H., J. CHEM. ENG. DATA 4, 296 (1959).
- (13) Ibid. 6, 481 (1961).
- (14) Ibid. 9, 24 (1964).
- (15) Reamer, H.H., Sage, B.H., Rev. Sci. Instr. 29, 709 (1958).

RECEIVED for review May 21, 1962. Resubmitted March 16, 1964. Accepted June 1, 1964. Earlier publications from these laboratories on liquid diffusion are "Relations in Material Transport," Opfell and Sage, Ind. Eng. Chem. 47, 918 (1955) and a series of articles, "Diffusion Coefficients in Hydrocarbon Systems," Reamer, Sage, and coworkers, Ind. Eng. Chem. 48, 275, 282, 285 (1956); A.I.Ch.E.J. 3, 449 (1957); Ind. Eng. Chem., Chem. Eng. Data Ser. 1, 71 (1956); 3, 54 (1958); J. CHEM. ENG. DATA 4, 15, 296 (1959); 6, 180, 481 (1961); 9, 54 (1964).

## CORRECTION:

In the article "A Study of the System  $\text{CaCl}_2\text{-ZnCl}_2\text{-H}_2\text{O}$  (NaCl Saturated) at 15°C." by E.P. Helvenston and E.A. Cuevas [J. CHEM. ENG. DATA 9, 321 (1964)], in the third line of the Abstract, the weight per cent given for NaCl solubility should be 2.5 rather than 25%.