

REFERENCES

- Bickmore, C., Hoppe, M. L., and Laine, R. M. (1992). Processable oligomeric and polymeric precursors to silicates prepared directly from SiO₂, ethylene glycol and base. Material Resevare Society Symptom, 249, 81-86.
- Blohowiak, K. Y., Laine, R. M., Robinson, T. R., Hope, M. L., and Kampf, J. (1992). Synthesis of penta-alkoxy and penta-aryloxy silicates directly from silica inorganic and organometallic polymers with special properties. 99-111 and 418.
- Cairn, T., Eglinton, G. (1965). Hydrogen bonding in phenols part II alkyl substituted bis(hydroxyphenyl)alkanes (dinuclear novolaks). Journal Chemistry of Society, 1965, 5906-5913.
- Chuit, C., Reye, R. J. P. C., and Young, J. C. (1993). Reactivity of penta- and hexa-coordinate silicon compounds and their role as reaction intermediates. Chemistry Review, 93, 1371-1448.
- Corriu, R. J. P., Guérin, C., Henner, B. J. L., Man, W. W., and Chi, C. H. (1988). Pentacoordinated silicon anions: reactivity toward strong nucleophiles. Pure and Applied Chemistry, 60, 99-160.
- Cotton, F. A., and Wilkinson, G. F. (1967). The Group IVA (14) Elements, Advanced Inorganic Chemistry, 5th ed. John Wiley and Sons, Interscience Publish (pp. 266). New York.
- Frye, C. L. (1969). Stable silicon heterocyclic derivatives of branched alkanediols. Journal Organic Chemistry, 34, 2496.
- Frye, C. L., Vincent, G. A., and Finzel, W. A. (1971). Pentacoordinate silicon compounds. V. Novel silane chemistry, Journal of American Society, 6805-6811.

- Frye, C.L. (1970). Pentacoordinate silicon derivatives IV. Alkylammonium silicate salts derived from aliphatic 1,2-diols. Journal of American Chemistry Society, 92, 1205-1210.
- Goodwin, G. B., and Kenney, M. E. (1987). A new approach to the synthesis of alkyl silicates and organosiloxanes. Inorganic and organometallic polymer. Zeldin, N., Wynne, K.J., and Allcock, H. R., ACS SYMPOSIUM SERIES, 360, 238-248.
- Hardman, B. and Tokelson, A. (1987). In Encyclopedia of Polymer science and Engineering, 2nd ed. Wiley-Interscience: New York.
- Iler, R. K. (1979). The Chemistry of Silica. John Wiley and Sons, Publish: New York.
- Kingston, J. V. and Sudheendra Rao, M. N. (1997). High yield synthesis of cyclic phosphites, phosphates, sulphites, and sulphates of catechol and glycol mediated by hyper valent silicon centers. Tetrahedron Letters, 38(27), 4841-4844.
- Kemmitt, T., and Milestone, N. B. (1995). The ring size influence on ^{29}Si -NMR chemical shifts of some spirocyclic tetra- and penta-coordinate diolato silicates. Australian Journal of Chemistry, 48, 93-102.
- Laine R. M., Mueller B. L., and Hinhin T. One Step Synthesis of Neutral Alkoxy Silanes and Alanes from SiO_2 and Al(OH)_3 . Contribution from the Departments of Materials and Engineering, and Chemistry of Michigan, Ann Arbor, MI 48109-2136.
- Laine, R. M., Blohowiak, K. Y., Robinson, T. R., Hoppe, M. L., Nardi, P., Kampf, J., and Uhm, J. (1991). Synthesis of pentacoordinate silicon compounds from silica. Nature, 353, 642-644.
- Rochow, E. G. (1987). Silicon and Silicone. Springer-Verlag: Berlin.

- Rosenheim, A., Raibmann, B., Schemdel, G., and Anorg, Z. (1931). Complex pyrocate cholates of quadic valent elements. Inorganic Allgem Chemistry 196, 160.
- Stark, F. O., Falender, J. R., and Wright, A. P. (1992). In comprehensive organometallic chemistry. Wilksion, G., Ed., Pergamon: Oxford, 2.

CURRICULUM VITAE

Name : Mr. Sun Chivin

Birthday : September 08, 1971

Nationality : Cambodian

University Education

1991-1995 : B.Sc. (Chemistry)

Faculty of Science

The Royal University of Phnom Penh

1995-1996 : Methodology of Teaching Chemistry

Faculty of Pedagogy

Work Experience :

1996-1998 : Chemistry Instructor

The Royal University of Phnom Penh