[*t*-BuNSiMe$_2$NCH$_2$CH$_2$NMe$_2$]Zr(CH$_2$Ph)$_2$ (5). A solution of ClMgCH$_2$Ph (1.0 M in ether, 6.5 mL, 6.5 mmol) was added to a solution of **3** (1.2 g, 3.18 mmol) in diethyl ether (10 mL) at −30 °C. Almost immediately a fine precipitate formed. The mixture was warmed to room temperature over a period of 15 min and was filtered through Celite. All solvents were removed in vacuo and the residue was extracted with pentane. On standing at −30 °C, the extract gave yellow crystals: yield 1.18 g (76%); ^{1}H NMR (C$_6$D$_6$) δ 7.11 (t, 4, H$_m$), 6.98 (d, 4, H$_o$), 6.83 (t, 2, H$_p$), 3.14 (t, 2, SiNCH$_2$), 2.18 (d, 2, ZrCH$_2$), 2.07 (d, 2, ZrCH$_2$), 1.94 (t, 2, C*H*$_2$NMe$_2$), 1.66 (s, 6, NMe$_2$), 1.33 (s, 9, C*Me*$_3$), 0.36 (s, 6, SiMe$_2$); ^{13}C NMR (C$_6$D$_6$) δ 147.5 (C$_{ipso}$), 129.5 (C$_o$), 127.3 (C$_m$), 121.7 (C$_p$), 65.7 (SiNCH$_2$), 59.9 (ZrCH$_2$), 56.6 (*C*Me$_3$), 46.9 (*C*H$_2$NMe$_2$), 45.5 (NMe$_2$), 35.5 (C*Me*$_3$), 4.4 (SiMe$_2$). Anal. Calcd for C$_{24}$H$_{39}$N$_3$SiZr: C, 58.96; H, 8.04; N, 8.59. Found: C, 58.66; H, 8.23; N, 8.58.

[*t*-BuNSiMe$_2$NCH$_2$CH$_2$NMe$_2$]Zr(CH$_2$CHMe$_2$)$_2$ (6). A solution of BrMgCH$_2$CHMe$_2$ (2.51 M in ether, 3.0 mL, 7.55 mmol) was added to a solution of **3** (1.39 g, 3.67 mmol) in diethyl ether (15 mL) at −30 °C. The mixture was warmed to room temperature and was held at room temperature for 15 min. Dioxane (663 mg, 7.55 mmol) was then added. After 20 min all solvents were removed in vacuo and the residue was extracted with pentane. The extract was reduced in volume to ∼2 mL and allowed to stand at −30 °C to give yellow crystals: yield 1.2 g (78%); ^{1}H NMR (C$_6$D$_6$) δ 3.35 (t, 2, SiNCH$_2$), 2.29 (t, 2, C*H*$_2$NMe$_2$), 2.24 (m, 2, CH$_2$C*H*Me$_2$), 2.03 (s, 6, NMe$_2$), 1.55 (s, 9, C*Me*$_3$), 1.18 (d, 6, CH$_2$CH*Me*$_2$), 1.15 (d, 6, CH$_2$CH*Me*$_2$), 0.78 (d, 2, ZrCH$_2$), 0.54 (d, 2, ZrCH$_2$), 0.43 (s, 6, SiMe$_2$); ^{13}C NMR (C$_6$D$_6$) δ 72.1 (ZrCH$_2$), 65.9 (SiNCH$_2$), 55.9 (*C*Me$_3$), 46.8 (*C*H$_2$NMe$_2$), 46.5 (NMe$_2$), 35.9 (C*Me*$_3$), 30.5 (CH$_2$*C*HMe$_2$), 29.9 (CH$_2$CH*Me*$_2$), 29.7 (CH$_2$CH*Me*$_2$), 4.4 (SiMe$_2$). Anal. Calcd for C$_{18}$H$_{43}$N$_3$SiZr: C, 51.37; H, 10.30; N, 9.98. Found: C, 51.45; H, 10.53; N, 9.94.

When dioxane was omitted from the synthetic procedure, a few crystals were obtained that proved to be insoluble in pentane at room temperature in the extraction step. These were shown to be {[*t*-BuNSiMe$_2$NCH$_2$CH$_2$NMe$_2$]Zr(CH$_2$CHMe$_2$)$_2$-MgCl$_2$}$_2$ (**7**) in an X-ray study. Compound **7** was not characterized further.

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Supporting Information Available: Tables of crystal data and structure refinement, final positional parameters, final thermal parameters, and bond lengths and angles for {[NSiN$_2$]Zr(CH$_2$CHMe$_2$)$_2$MgCl$_2$}$_2$ (5 pages). Ordering information is given on any current masthead page.

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Additions and Corrections

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Charles S. Weinert, Ilia A. Guzei, Arnold L. Rheingold, and Lawrence R. Sita*: Heterocumulene Metathesis of Pb[N(SiMe$_3$)$_2$]$_2$. High-Yield Syntheses of the Heteroleptic Dimer {Pb[N(SiMe$_3$)$_2$(μ-SOiMe$_3$)}$_2$ and the Novel Lead(II) Oxo Cluster Pb$_7$(μ_3-O)(μ_4-O)(μ-SiMe$_3$)$_{10}$.

Page 500. The following description of the Supporting Information available for this paper was omitted in the Web edition published January 22, 1998, as well as in the print edition.

Supporting Information Available: Full tables of the data collection parameters, isotropic and anisotropic temperature factors, and bond distances and bond angles for compounds **2** and **4** (15 pages). Ordering information is given on any current masthead page.

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