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$B_9H_9S_9$ SB_9H_9	**1-Thia-closo-decaborane(9)** Structure by ED and ab initio calculations *D. Hnyk, D. A. Wann, J. Holub, S. Samdal, and D. W. H. Rankin* Dalton Trans., **40** (2011), 5734
BrNa NaBr	**Sodium bromide** Structure by ED and ab initio calculations *P. D. McCaffrey, D. A. Wann, R. J. Mawhorter, and D. W. H. Rankin* Manuscript complete.
Br_2Na_2 Na_2Br_2	**Sodium bromide dimer** Structure by ED and ab initio calculations *P. D. McCaffrey, D. A. Wann, R. J. Mawhorter, and D. W. H. Rankin* Manuscript complete.
$C_2F_6O_2S_2$ $CF_3SO_2SCF_3$	**1,1,1-Trifluoromethanesulfonothioic acid S-trifluoromethyl ester** Structure by ED and ab initio calculations *S. L. Masters, D. A. Wann, H. E. Robertson, D. W. H. Rankin, A. Ben Altabef et al.* Manuscript in preparation.
$C_2H_4O_4S_2$ O_2-cyclo-$S(CH_2)_2S$-O_2	**1,3-Dithietane-1,1,3,3-tetraoxide** Structure by ED and ab initio calculations *D. A. Wann, H. E. Robertson, E. Block, and D. W. H. Rankin* Manuscript in preparation.
C_5H_9P ButCP	**tert-Butylphosphaethyne** Structure by ED and ab initio calculations *D. A. Wann, S. L. Masters, H. E. Robertson, M. Green, R. J. Kilby, C. A. Russell, C. Jones, and D. W. H. Rankin* Dalton Trans., **40** (2011), 5611
C_6H_4BrF C_6H_4BrF	**1-Bromo-4-fluorobenzene** Structure by ED and ab initio calculations *S. L. Masters, I. D. Mackie, D. A. Wann, H. E. Robertson, D. W. H. Rankin, and S. Parsons* Struct. Chem., **22** (2011), 279
C_6H_4ClF C_6H_4ClF	**1-Chloro-4-fluorobenzene** Structure by ED, ab initio calculations and X-ray diffraction *S. L. Masters, I. D. Mackie, D. A. Wann, H. E. Robertson, D. W. H. Rankin, and S. Parsons* Struct. Chem., **22** (2011), 279
$C_6H_{12}F_6Si_2$ $CF_3Me_2SiSiMe_2CF_3$	**1,2-Trifluoromethyl-1,1,2,2-tetramethyldisilane** Structure by ED, X-ray diffraction and ab initio calculations, interpretation of Raman spectra *S. L. Masters, D. A. Wann, H. E. Robertson, F. Lennox, D. W. H. Rankin, I. Arnason, K. Hassler et al.* Manuscript in preparation.
$C_9H_{24}Br_4Si_4$	**Tetrakis(bromodimethylsilyl)methane** Structure by ED and computational methods

$C(SiMe_2Br)_4$	*D. A. Wann, K. Bätz, S. Young, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation.
$C_9H_{24}Cl_4Si_4$ $C(SiMe_2Cl)_4$	**Tetrakis(chlorodimethylsilyl)methane** Structure by ED and computational methods *D. A. Wann, K. Bätz, S. Young, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation.
$C_9H_{24}F_4Si_4$ $C(SiMe_2F)_4$	**Tetrakis(fluorodimethylsilyl)methane** Structure by ED and computational methods *D. A. Wann, K. Bätz, S. Young, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation.
$C_9H_{28}Si_4$ $C(SiMe_2H)_4$	**Tetrakis(dimethylsilyl)methane** Structure by ED and computational methods *D. A. Wann, K. Bätz, S. Young, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation.
$C_{10}H_{17}P$ $C_{10}H_{15}PH_2$	**Adamantylphosphine** Structure by ED and ab initio calculations *D. A. Wann, A. R. Turner, J. R. Goerlich, L. J. Kettle, R. Schmutzler, and D. W. H. Rankin* Struct. Chem., **22** (2011), 263
$C_{10}H_{18}ClP_3$ $P_2C(t\text{-}Bu)_2PCl$	**3-Chloro-2,4-bis(1,1-dimethylethyl)-1,3,5-triphosphatricyclo[2.1.0.0^{2,5}]pentane** Structure by ED and computational methods *D. A. Wann, S. L. Masters, H. E. Robertson, M. Green, R. J. Kilby, C. A. Russell, C. Jones, and D. W. H. Rankin* Dalton Trans., **40** (2011), 5611
$C_{10}H_{26}Ga_2O_4$ $[Me_2Ga(OCH_2CH_2OMe)]_2$	**Bis[μ-(methoxy-κO)ethanolato-κO:κO]tetramethyldigallium** Structure by ED and ab initio calculations *C. E. Knapp, D. A. Wann, A. Bil, J. T. Schirlin, H. E. Robertson, P. F. McMillan, D. W. H. Rankin, and C. J. Carmalt* Inorg. Chem., submitted.
$C_{11}H_{30}Br_2Si_4$ $C(SiMe_3)_2(SiMe_2Br)_2$	**Bis(bromodimethylsilyl)bis(trimethylsilyl)methane** Structure by ED and computational methods *D. A. Wann, K. Bätz, M. S. Robinson, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation.
$C_{11}H_{30}Cl_2Si_4$ $(Me_3Si)_2C(SiClMe_2)_2$	**Bis(chlorodimethylsilyl)-bis(trimethylsilyl)methane** Structure by ED and computational methods *D. A. Wann, K. Bätz, M. S. Robinson, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation.
$C_{11}H_{32}Si_4$ $C(SiMe_3)_2(SiMe_2H)_2$	**Bis(dimethylsilyl)bis(trimethylsilyl)methane** Structure by ED and computational methods *D. A. Wann, K. Bätz, M. S. Robinson, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation.
$C_{12}H_{30}Ga_2O_2$ $[Me_2GaOtBu]_2$	**Di-μ-tert-butoxytetramethyldigallium** Structure by ED and ab initio calculations *C. E. Knapp, D. A. Wann, A. Bil, J. T. Schirlin, H. E. Robertson, P. F. McMillan, D. W. H. Rankin, and C. J. Carmalt* Inorg. Chem., submitted.
$C_{16}H_{24}O_{12}Si_8$	**Octavinylsilsesquioxane** Structure by ED and ab initio calculations

$Si_8O_{12}(CH=CH_2)_8$	*D. A. Wann, C. N. Dickson, P. D. Lickiss, H. E. Robertson, and D. W. H. Rankin* Inorg. Chem., **50** (2011), 2988
$C_{24}H_{72}O_{20}Si_{16}$ $Si_8O_{12}(OSiMe_3)_8$	**Octakis(trimethylsiloxy)octasilsesquioxane** Structure by ED and ab initio calculations *D. A. Wann, C. N. Dickson, P. D. Lickiss, H. E. Robertson, and D. W. H. Rankin* Inorg. Chem., **50** (2011), 2988
FNa NaF	**Sodium fluoride** Structure by ED and ab initio calculations *P. D. McCaffrey, D. A. Wann, R. J. Mawhorter, and D. W. H. Rankin* Manuscript complete.
F_2Na_2 Na_2F_2	**Sodium fluoride dimer** Structure by ED and ab initio calculations *P. D. McCaffrey, D. A. Wann, R. J. Mawhorter, and D. W. H. Rankin* Manuscript complete.
INa NaI	**Sodium iodide** Structure by ED and ab initio calculations *P. D. McCaffrey, D. A. Wann, R. J. Mawhorter, and D. W. H. Rankin* Manuscript complete.
I_2Na_2 Na_2I_2	**Sodium iodide dimer** Structure by ED and ab initio calculations *P. D. McCaffrey, D. A. Wann, R. J. Mawhorter, and D. W. H. Rankin* Manuscript complete.