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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 in preparation.
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 in preparation.
$C_2H_4O_4S_2$ O_2-cyclo-S$(CH_2)_2$S-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.
$C_3H_6Cl_3N$ $N(CH_2Cl)_3$	**Tris(chloromethyl)amine** Structure by ED and computational methods *N. W. Mitzel, J. T. Schirlin, S. L. Masters, D. W. H. Rankin et al.* 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_6HCl_5 C_6HCl_5	**Pentachlorobenzene** Structure by ED and liquid crystal NMR spectroscopy *R. Blom, D. A. Wann, D. W. H. Rankin et al.* Manuscript in preparation.
$C_6H_2Cl_4$ 1,2,3,4-$C_6H_2Cl_4$	**1,2,3,4-Tetrachlorobenzene** Structure by ED and liquid crystal NMR spectroscopy *R. Blom, D. A. Wann, D. W. H. Rankin et al.* Manuscript in preparation.
C_6H_4BrF C_6H_4BrF	**1-Bromo-4-fluorobenzene** Structure by ED, liquid crystal NMR spectroscopy 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, liquid crystal NMR spectroscopy, 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
$C_6H_{12}F_6Si_2$	**1,2-Trifluoromethyl-1,1,2,2-tetramethyldisilane** Structure by ED, X-ray diffraction and ab initio calculations, interpretation of Raman spectra

$CF_3Me_2SiSiMe_2CF_3$	*S. L. Masters, D. A. Wann, H. E. Robertson, F. Lennox, D. W. H. Rankin, I. Arnason, K. Hassler et al.* Manuscript in preparation.
$C_7H_{16}Cl_3PSi$ $(tBu)(iPr)PSiCl_3$	**(tert-Butyl)(iso-propyl)(trichlorosilyl)phosphine** Structure by ED and ab initio calculations *E. Seppälä, W.-W. du Mont, S. L. Masters, D. W. H. Rankin, and H. E. Robertson* Manuscript in preparation.
$C_9H_{24}Br_4Si_4$ $C(SiMe_2Br)_4$	**Tetrakis(bromodimethylsilyl)methane** Structure by ED and computational methods *K. Bätz, G. R. Kafka, D. A. Wann, 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 *K. Bätz, G. R. Kafka, D. A. Wann, 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 *K. Bätz, G. R. Kafka, D. A. Wann, 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 *K. Bätz, 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
$C_{10}H_{20}N_2$ ButN=CHCH=NBut	**N,N'-Di-tert-butyl-1,4-diaza-1,3-butadiene** Structure by ED and computational methods *C. Jones, D. A. Wann, H. E. Robertson, and D. W. H. Rankin* Manuscript in preparation.
$C_{10}H_{26}Ga_2O_4$ $[Me_2Ga(OCH_2CH_2OMe)]_2$	**Di-μ-ethoxydiethoxydimethyldigallium** Structure by ED and ab initio calculations *C. E. Knapp, D. A. Wann, J. T. Schirlin, H. E. Robertson, C. J. Carmalt, and D. W. H. Rankin* 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 *K. Bätz, D. A. Wann, 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 *K. Bätz, D. A. Wann, 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 *K. Bätz, D. A. Wann, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin*

	Manuscript in preparation.
$C_{12}Fe_3O_{12}$ $Fe_3(CO)_{12}$	**Dodecacarbonyltriiron** Structure by ED and ab initio calculations *G. R. Kafka, S. L. Masters, D. W. H. Rankin et al.* Manuscript in preparation.
$C_{12}H_{30}Ga_2O_2$ $[Me_2GaOtBu]_2$	**Di-μ-tert-butoxymethyldigallium** Structure by ED and ab initio calculations *D. A. Wann, C. E. Knapp, J. T. Schirlin, H. E. Robertson, S. L. Masters, C. J. Carmalt, and D. W. H. Rankin* Inorg. Chem., submitted.
$C_{16}H_{24}O_{12}Si_8$ $Si_8O_{12}(CH=CH_2)_8$	**Octavinylsilsesquioxane** 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., submitted.
$C_{24}H_{72}O_{20}Si_{16}$ $Si_8O_{12}(OSiMe_3)_8$	**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., submitted.
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 in preparation.
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 in preparation.
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 in preparation.
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 in preparation.