CORRECTION TO POINCARÉ COMPLEX THICKENINGS AND CONCORDANCE OBSTRUCTIONS

BY J. P. E. HODGSON

It has been pointed out to me that a calculation of D. Sullivan contradicts Theorem 3.3 of my paper Poincaré complex thickenings and concordance obstructions [1]. The calculation indicates the presence of 2-torsion in the homeotopy group of $S^9 \times S^{11}$. In fact my proof of Theorem 3.3 depended on a mistake in the computations with the $J$-homomorphism. It is quite easy to see that there is an element of order 2 in the kernel of $\pi_9(PL) \to \pi_9(g)$ which would give rise to an element of order 2 in $JT^3(S^9 \setminus S^{11})$, for in this case $\pi_9(PL)$ is of order 16, from the exact sequence $0 \to \pi_9(0) \to \pi_9(PL) \to \Gamma_9 \to 0$ and $\pi_9(g)$ is of order 8.

REFERENCE


UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PENNSYLVANIA 19104

AMS 1969 subject classifications. Primary 5518, 5701, 5720.
Key words and phrases. Homeotopy group, $J$-homomorphism.