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DISCUSSION

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by Stuart D. Werner and John R. Hall
Tarbela Dam Projects, by Wilson V. Binger (Oct., 1972. Prior Discussion: Nov., 1973). closure
Sequoyah Ice Condenser Containment Structure, by Jesse F. Allred, Robert O. Barnett, and Franklin D. Stidham (May, 1973). closure
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Systems Aspects of Seismic Design for Nuclear Plants, by Roland L. Sharp (May, 1973). errata
Thermal Capacity of Our Nation's Waterways, by D. E. Peterson, John C. Sonnichsen, S. L. Engstrom, and P. M. Schrotke May, 1973).
closure
Stability and Dynamic Analyses of Cooling Tower, by Chang-Hua Yeh and William Y. J. Shieh (Nov., 1973).
Benefits to Environment Glen Canyon to Hanover Dams, by Cecil
Baltzar Jacobson (Nov., 1973).
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^aDiscussion period closed for this paper. Any other discussion received during this discussion period will be published in subsequent Journals.