

K1(A58)

K1(A58)

Proposal Abstract K1(A58)

1. **Arms Control Problem:**
Nuclear weapons - comprehensive test ban
2. **Verification Type:**
Seismic sensors - intra-border stations
3. **Source:**
Orear, J. "The Detection of Nuclear Weapons Testing". In Inspection for Disarmament. Edited by Seymour Melman. New York: Columbia University Press, 1958.
4. **Summary:**
This proposal calls for the establishment of twenty-five seismic monitoring stations in the USSR and seven in the United States, each station to monitor a 300 mile range. This would mean that any test would be within 300 miles of at least one station and within 600 miles of twelve stations.
Alternatively, a range of 500 miles could be used, although there would be a need for additional stations in seismic belts. Stations should be located in non-restricted areas and the personnel operating the stations should be confined to them so that no charge could be raised that a state's security was being jeopardized.
Finally, all presently existing seismic stations should be required to submit copies of their records to the international inspectorate. This might allow for a reduction in the number of monitoring stations.