

J96(A72)

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Proposal Abstract J96(A72)

1. **Arms Control Problem:**
Nuclear weapons - comprehensive test ban
2. **Verification Type:**
Remote sensors - satellite
3. **Source:**
Olgaard, P.L. "Verifying a Comprehensive Test Ban", Survival 14, no. 4 (July/August 1972): 162-168.
4. **Summary:**

This proposal suggests that a comprehensive test ban could be verified with the use of satellite sensors. Preparatory work connected with clandestine tests, such as the drilling of holes, could be observed from space. The author maintains that even if such a test were conducted in alluvium soil, a medium well suited to absorbing large explosions with minimal observable effects, it would be observable by certain kinds of sensors. Temperature increases at the surface above the explosion would show up if infra-red optics were used, while accidental radioactive emissions would also be detectable.