

S-E-C-R-E-T  
Security Information

techniques for the penetration of enemy domestic radio broadcasting services might well enable us to overcome the handicaps imposed by the jamming of our conventional broadcasts to the Soviet orbit and seize the cold war initiative in the radio sphere. It is a field which has been neglected thus far.

Some possibilities in this area are described in the "Project Troy" report of the Massachusetts Institute of Technology (Vol. IV, Annex 26) of 1 February, 1951.

Among them is the "intrusion," or "side-band injection," technique which was used successfully by the Russians against Germany during World War II. It would enable us to intrude our own propaganda messages into radio programs being broadcast on enemy home channels. It would enable us in effect to talk to the Soviet, satellite and neutral radio audiences over enemy facilities or compel the enemy to disrupt his own broadcast service in an effort to prevent it. It could also be used in turning Soviet propaganda broadcasts to Western Europe to the advantage of our friends. The Troy report observes as to the technique itself:

"This would be an effective and annoying technique which would be extremely difficult to counter."

Utilization of this technique appears to be within our capabilities at the moment. It has been field tested and is ready for use as soon as the necessary technical adaptations can be made to conventional transmitters. The time and cost involved in mounting a facility for utilizing this technique is now being explored by ADCO at the suggestion of this office.

Another unconventional technique being developed by an agency consultant and now almost ready for field testing is the so-called "cuddling" device. This operates on the theory that we can transmit an interfering signal into an orbit domestic radio service which will cause the listening audience to shift to our nearby program in endeavoring to tune out the interference on his own home program.

Other unconventional means of carrying the cold war to the Orbit by means of clandestine radio might be capable of invention and development, and the scientific and practical potentialities in this field should be explored to the utmost.

This office is convinced that emphasis must be placed more and more on unconventional radio broadcasting techniques if the cold war of the air waves is not to become more one-sided than it already is in favor of the Communists. Properly developed and utilized, those techniques already perfected or in the process of perfection and those which might be invented might even be

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