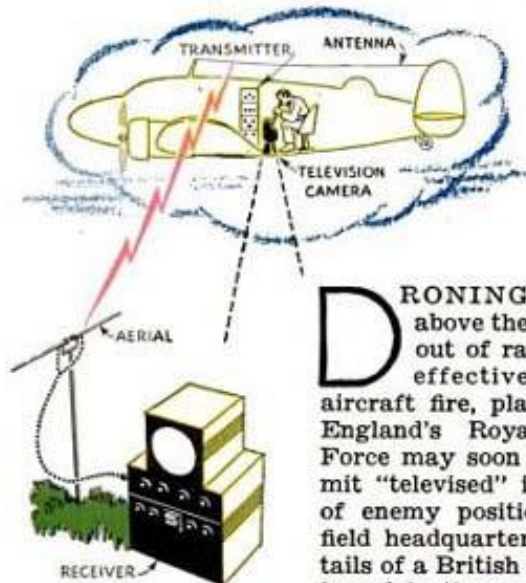


TELEVISION PLANES

SPY ON ENEMY LINES



DRONING high above the earth, out of range of effective anti-aircraft fire, planes of England's Royal Air Force may soon transmit "televised" images of enemy positions to field headquarters. Details of a British patent issued to the country's leading television firm,

just before the outbreak of hostilities, reveal how territory over which a plane is flying will automatically be scanned to secure information of strategic value.

Mounted over a window in the bottom of the fuselage, an aerial television camera with telescopic lenses operates continuously while the plane is in flight. As the craft soars past trenches, gun emplacements, military roads, and ammunition dumps, the television "eye" translates high lights and shadows into a string of electrical impulses, and a compact but powerful radio puts them on the air.

Back at headquarters, the commanding officer sits at the screen of his television receiver, intently watching the same panorama unroll. With the disclosure of each important objective, aides insert pins in a military map to show where artillery fire should be concentrated or bombing planes dispatched.

Over reconnaissance by aerial photography, the new television system presents certain marked tactical advantages. No precious minutes or hours are lost while the plane returns to its base, or while films are developed, during which time the battle scene may have undergone important changes. Instead, shifts in the

disposition of fast motorized columns, and other events in the speeded-up tempo of modern warfare, are revealed at the very moment they take place.

In addition, the television "eye" will see through camouflage that effectively masks ground activities of the enemy in ordinary aerial photos. Wearing sprigs of foliage in their headgear, advancing or retreating soldiers may be indistinguishable from the surroundings in still pictures—but the telltale screen of the television receiver clearly reveals any moving object, making concealment doubly difficult. Any scenes of special interest can be photographed on the receiver screen.



LOOKING BEYOND THE LINES

Officers at field headquarters look down on hostile positions and troop movements in television images radioed from a plane

NEW SYSTEM OF MILITARY RECONNAISSANCE PRESENTS COMMANDERS WITH AN ACTUAL PICTURE OF CONDITIONS

