

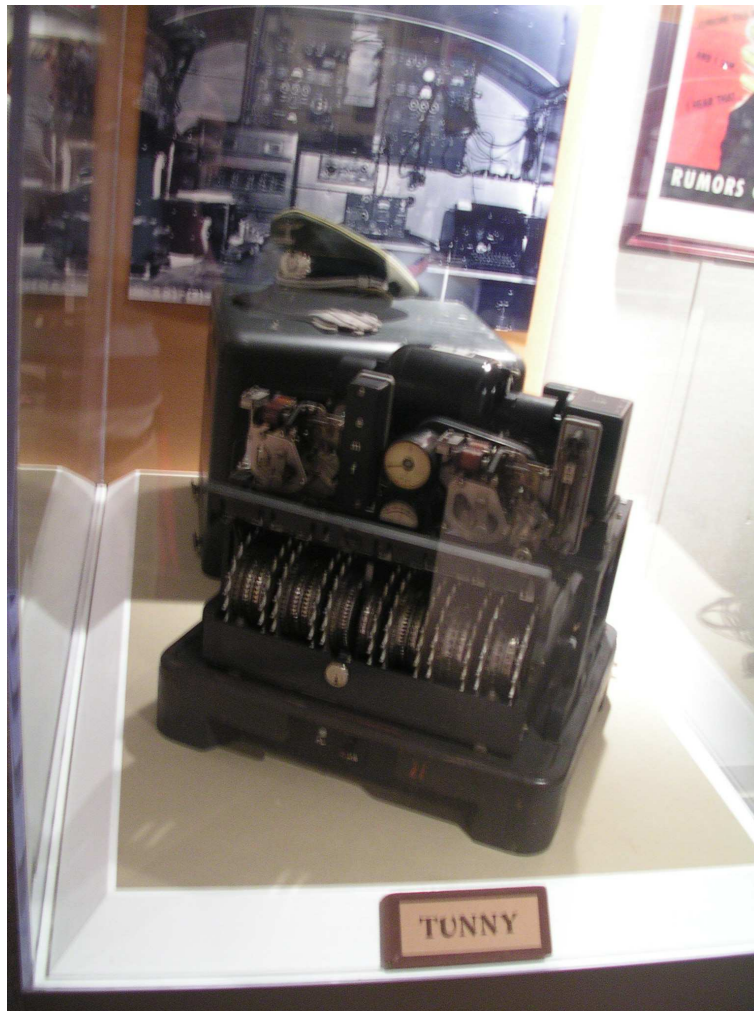
Obisk muzeja NSA



Koliko jezikov je v rabi danes?







U.S. ARMY RED ANALOG

In the mid-1930s the Japanese introduced their cipher machine Type-B for high-level diplomatic communications. SIS cryptanalysts solved the new system and gave it the cover name "Red". Exhibited here is the first hand-operated analog used to decrypt "Red" communications. "Red" was used until March of 1938 when the Type-B was put into service. The Type-B was given the SIS cover name "Purple".



LEO ROSEN



Munitions Building
21st and B Sts., Washington, D.C.
Home of the SIS - throughout the 1930s



Signal Intelligence Service (SIS), 1935
(Munitions building, outside vault door)

Left to Right: Frank Bearce, Dr. Solomon Kullback, Capt. Harold Miller, Louise Nelson, William Friedman, Dr. Abraham Sinkov, Lt. L.D. Jones, Frank Rowlett.
(Absent: John Hurt, Japanese linguist)

U.S. ARMY PURPLE ANALOG No. 1

On 20 March 1938 the U.S. Army Signal Intelligence Service (SIS) began receiving Japanese diplomatic communications encrypted in a new cipher machine system. The system was assigned the cover name PURPLE by the SIS Japanese Diplomatic section. This section was under the direction of Frank Rowlett. Key members of the section included Leo Rosen, Bob Ferner, Genevieve Grotjan, Albert Small, Mary-Jo Dunning and Frank Bearce.

For 18 months the "Purple Section" worked at finding a solution to the "Purple". Through mathematical and cryptanalytic analysis it was determined that "Purple" was made up of fourteen 25-position telephone stepping switches. The analog exhibited here was the first of several produced in the fall of 1940. On 27 September this analog began decrypting high-level Japanese diplomatic communications which became known as "Magic".

"Magic" figured decisively in the allies diplomatic and military strategy throughout World War II. At the time a senior U.S. Navy officer said breaking "Purple" was "the greatest feat of cryptanalysis the world has yet known".



Army Purple Analog and Ancillary machines
in use during World War II.
(Note WAC Tech 5 setting analog
selector switches)







