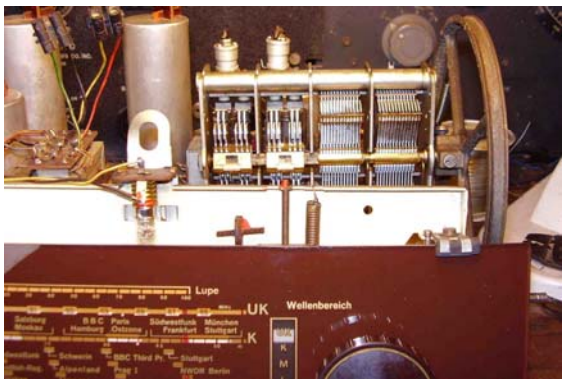
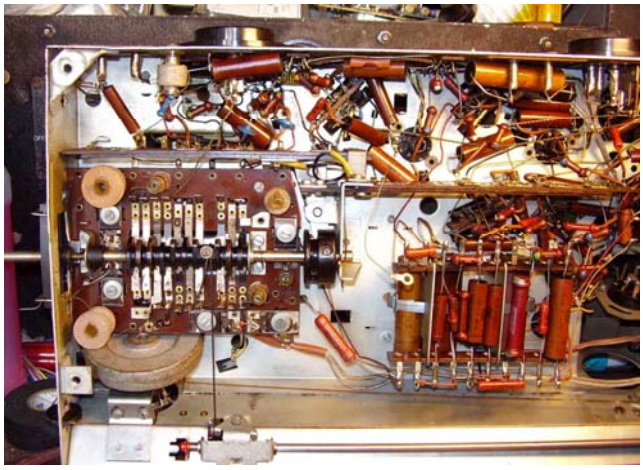
Radio Graetz Gross Super 156 W, 1951

This is one of the earliest FM radio, built in 1951. The cabinet is finished in walnut-root with golden decoration. The radio has four bands, including FM which covers the unusual range from 86 to 101 MHz. A bandspread dial, 'KW Lupe', is available in the short wave, by pushing the tuning knob. The tone knob, on the left side of the cabinet, also controls the AM bandwidth, changing the seating of additional coupling coils inside two IF transformers. Four watts audio output stage, with electro-dynamic speaker. Power save feature: by pulling the volume control knob, the plate voltage, and hence the output power is lowered. Tubes are quite old: the FM tuner uses two rimlock pentodes EF42. The radio uses nine tubes plus one selenium bridge rectifier: EF42, EF42, ECH42, EF41, EAF42, EB41, EF41, EL11, EM34, AEG 300B100.

Key features:

- **Very early FM set, 1951: FM ranges from 86 to 101 MHz**
- **Cam and slide band switch**
- **Bandspread available through the short wave band**
- **Tone control also changes the AM bandwidth of the two IF stages**
- **Ripple canceling winding on the field coil of the speaker**
- **Power save switch**
- **High sensitivity**
- **Clear and loud sound**





Three internal views. The first picture shows the single electro-dynamic speaker, typical of old AM radios. In the middle, the multi-section variable capacitor used both for AM and for FM. Bottom, the complex lever plus cam-and-slide band switch that extends all under RF and IF stages.

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