

MR. BOB VARGA
TRANSISTOR MUSEUM DONATION
August 2012



Transistor Size (1/4"OD X 5/8"H)
No Date Code Stamp



Cardboard container, labeled "Raytheon Tubes"
CK716 wrapped in paper/felt packing material

RAYTHEON CK716

TYPE

Germanium PNP
Point Contact Transistor

DATE INTRODUCED

Early 1950s

AVAILABILITY

Rare (Limited Production)

DONATION COMMENTS

I would like to compliment you on the web site that you have created. It has helped to inform me about early transistors and their history. It is very well put together. The reason that I am contacting you is because I was lucky enough to have come across a couple of Raytheon ck716. I would like to donate one of them to your transistor museum. The box is rough and it is missing its end flaps but has the original packing. The transistor itself is in great condition. They seem very hard to come by and I have noticed that you do not have a photo of one on your site so figured that you might be looking for one again you have a great site. Thanks, Bob.

HISTORIC NOTES

Bell Labs made the first public announcement of the invention of the transistor in June 1948. This early transistor technology was known as point contact, based on the construction technique that utilized two sharpened adjustable metal points in contact with a small block of germanium. Point contact transistors were manufactured for only a few years and by only a few companies - the technology was superseded in the mid 1950s by more reliable types, such as junction and surface barrier. Raytheon was the first commercial company to offer point contact transistors, with the famous CK703 in late 1948. An improved version, labeled CK716, made its appearance in late 1951. This is a rare and very historic device, with only a few thousand made, each adjusted and tested by hand. See these two links for more information on the CK716:

[Bob McGarragh's Transistors 101](#)

[Mark Burgess Raytheon Transistor History](#)