



THE NATIONAL ASSOCIATION OF RADIO TELECOMMUNICATIONS ENGINEERS, INC.

PRESS RELEASE

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Heptode Award Recipients

The "Heptode Award" is granted by Headquarters staff to properly recognize those who lighten their burden, or who represent NARTE in an outstanding manner.

In the days of vacuum tubes there were a series of multi-function tubes described by the number of elements contained therein, such as triode (three elements), tetrode (four elements), pentode (five elements) and so on. Within this array was a multifunction tube called a heptode. A heptode is a seven-electrode vacuum tube containing an anode, a cathode, a control electrode, and four additional electrodes ordinarily in the nature of grids. These added elements were "helper" elements that made the circuit more efficient. Vacuum tubes have passed from the mainstream and are now only remembered by a relative few senior practitioners.



The "Hep Toad"

The symbol for the Heptode Award is a "hep toad". Just as added elements make complex circuits function better; hep toads that hop to and help us out make our operations more efficient.

Congratulations to the Spring 2003 Heptode Award recipient.

Ron Wade

For his outstanding participation in the NARTE FCC Commercial License examination program.

The NARTE staff extends our deepest gratitude to Heptode Awards winners.