

gratifying miracles. It will have no filament to burn out, and no high current output; it will stand intense heat and not break down under high voltage; it will—but the rest of it we don't understand and won't try to tell you about! Then there is the recent discovery of most remarkably short waves. They are dignified by the title of Midget waves and are said to be one-fourhundredth the length of some of the waves used by the large broadcasting stations; in fact, they are only about 1.3 meters in length. The batteries, too are coming in for their share of attention. A new device, known as the "Regostat" when interposed between a battery and battery charger, automatically connects and disconnects the charging system thus keeping the battery always in a charged condition. And so on and so on—ad infinitum!

And then after your radio has been equipped with so many modern improvements that it will not fail to record so much as one figure from the stock exchange, all you have to do is install the new loudspeaker! Instead of the sound being transmitted in concentric circles through a great megaphone-like instrument, it is sent out in horizontal and vertical planes from a cylindrical machine, 10 inches in diameter and 18 inches tall. It does not have a diaphragm but it does have a thin membrane covering which is actuated by a certain specially constructed unit within. With this small cylinder your friends may listen in to their heart's content.

We are going to have international diplomatic neighbors too, through the medium of the radio for a mysterious thing called a radio beam is being established just outside of Montreal for communication with England and Australia—the first link to be forged in a world-wide imperial wireless net. The waves will be concentrated in such a manner that there will be no broadcasting. Hence, the new beam will serve the double purpose of conserving energy and carrying perfectly private diplomatic messages without danger of the wrong party "listening in."

Here, then, ye materialists of a modern age is a miracle worker, akin only to the rites of the magicians of a far-off romantic age—carrier of messages, singer of sweet songs, nar-