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Did You Know?

Avionics News has searchable archives

Need help "finding something" in *Avionics News* about a certain topic, product, individual or company? Yes, there is an archives system in place to help readers find what they seek. The first step in your research is to open a digital edition at avionicsnews.net – it can be the current issue or any prior edition. In the flip-page format you just opened, simply click on the menu (three stacked lines) in the upper left of the desktop screen to access more functionality and features. This will take you to a menu that literally asks, "What would you like to do?" At this point, click on the magnifying glass next to the "Search" feature and enter your keywords. This is where you must apply those Google search skills that you have honed over several years.

GARMIN.

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LEARN MORE

Theory & Practice

Localizer and marker beacon systems

In this month's Theory & Practice column in *Avionics News*, author Tom Inman covers the localizer and marker beacon systems; both are components of an instrument landing system, which is precise enough to not only guide an aircraft to the airport but can allow certain aircraft to land themselves. The marker beacon system is the simplest of all aviation navigation systems. At a location the FAA would like to mark, a transmitter will be placed with an antenna pointed straight up. As the aircraft flies over the location, a light on the instrument panel will illuminate, and a tone will be generated for the pilot to hear. Like a treasure map, "X" marks the spot.

The ground portion of all marker beacons transmit on 75 megahertz. The signal will be amplitude modulated with a tone. The frequency of the tone depends on the location being marked. Three tones are available: 400 hertz; 1.3 kilohertz; and 3 kHz. [More...](#)

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