While the fish in the bowl darts about in front of a TV camera, cross-hairs on a video monitor track its constantly shifting centroid. The MAP-300 array processor — with 15 million floating point operations per second — follows the fish, continually processing digitized video data in real time. An I/O Scroll™ interfacing the TV camera inputs digitized video directly into the MAP at a rate of 4 million pixels per second. This goldfish and its TV-twin are the proof that even the most demanding real time array processing tasks are now possible... but ONLY with MAP.

Fast I/O Scrolls — input/output address processors — provide MAP's real time capability. They pull data directly into MAP and rush it to one of three independent memory busses at transfer rates up to 40 megabytes per second. CSPI is delivering a full line of economical I/O Scrolls that interface a wide variety of peripheral devices to MAP. A torrent of data that would swamp any computer or other array processor can move directly through MAP like a fish through water.

If you didn't catch our fish act at the IEEE Conference in Tulsa, talk to someone who did or ask for a demonstration yourself. Write to CSPI for references, technical specifications, pricing, and application notes on real time array processing.

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What can a goldfish tell you about Array Processing?

MAP™ is the only Array Processor that functions in real time...all the time.