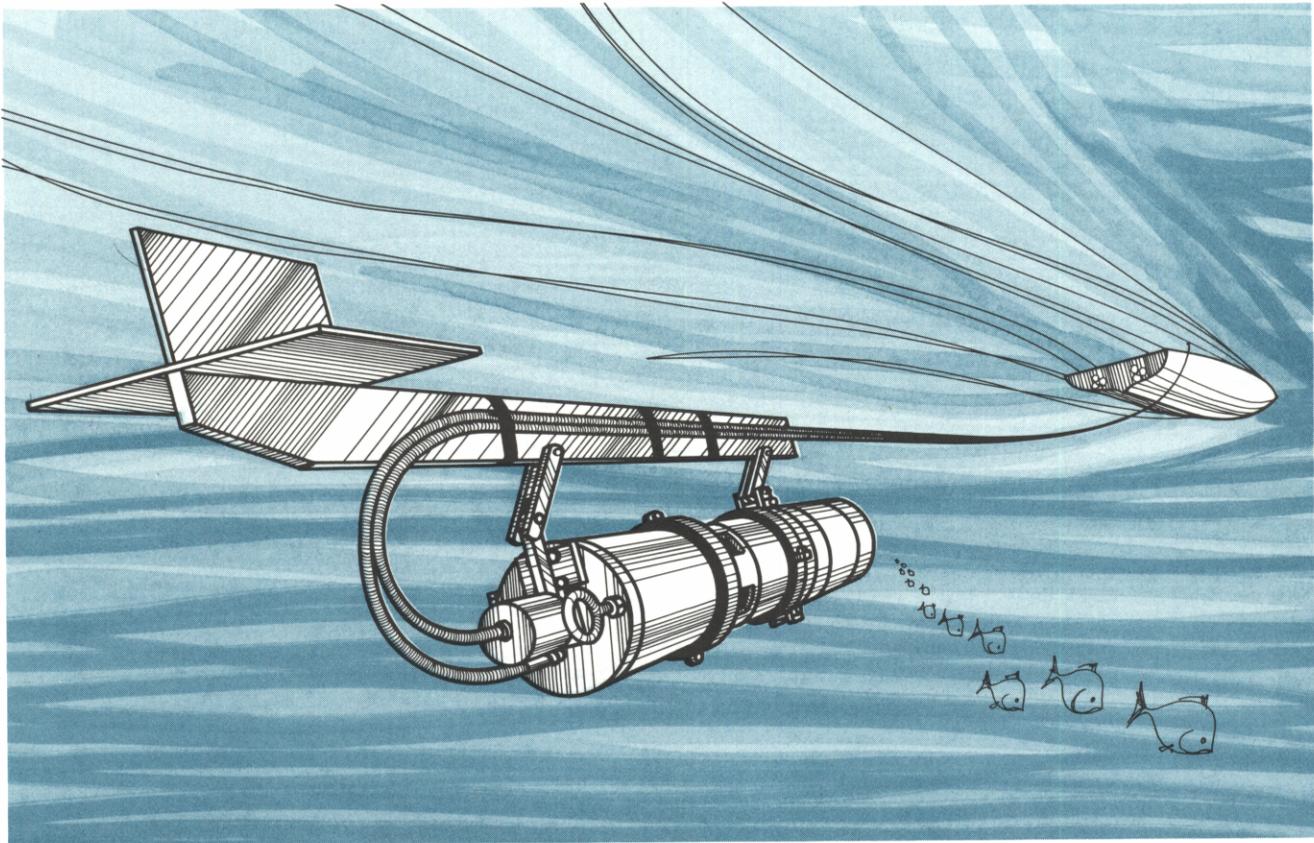


# MARINE

AIR GUN SEISMIC

## PNEUMATIC MARINE SEISMIC ENERGY SOURCE



**NOW**, advanced technology has introduced a new tool, the \*PAR Sound Source, for meaningful, fast, and economical marine seismograph surveys.

**High Energy Yield**, comparable to that obtained from usual chemical explosives, but of minimum destructivity, is attained by explosive release of high-pressure air charged by ship-borne compressor. Output energy is concentrated (80-90%) in the most useful seismic frequency band (5-50 Hz.).

**Data Quality** is demonstrated comparable or superior to that obtained utilizing other seismic energy sources. (See inside pages for example.)

**Flexibility** is afforded by the use of a single source or

an array of sources of identical or various sizes, designed for fixed and towed installations. "Charge size" and frequency content of pulse are controllable. Multiple arrays can be fired simultaneously or with programmed delays for optimum application of auto-correlation and other sophisticated techniques. Firing intervals vary from as short as 4 per second, using the Model 600, to 8 seconds using the Model 1500.

**Economy** is afforded by elimination of conventional explosives, by the use of a single ship for both "shooting" and recording, by fewer operating personnel, by the speed of continuous-tow operations, and by simplified logistics.

\*Bolt Associates, Inc., patent and trademark.



TELEDYNE EXPLORATION COMPANY