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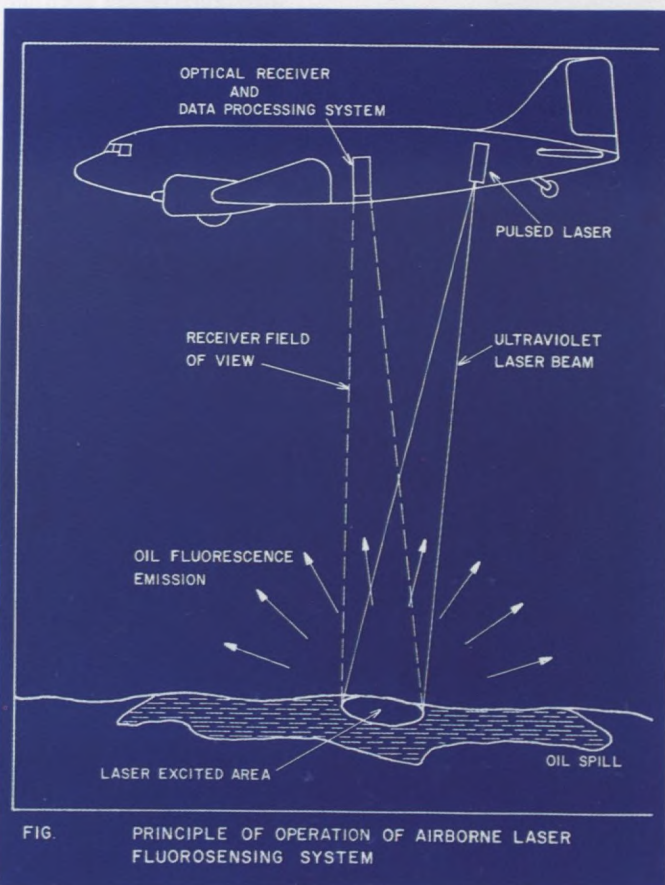
Company background. As well as a high-technology research and development firm, Barringer is a hydrocarbon and mineral exploration company whose skills include geochemistry, electro-optics, electromagnetics, magnetics and atmospheric physics. The company's research and development efforts have resulted in patented and proprietary instruments, instrument systems and techniques for use in airborne and ground exploration, environmental monitoring, process control and metal detection.

Currently, the areas of greatest interest are the use of ground geochemistry, identification of hydrocarbons offshore, electro-magnetic airborne identification of hydrocarbons and minerals

onshore, and the development of analytical techniques and high-technology products with multiple market uses.

Achievements and products. Barringer offers its clients the following major products and services:

- world's leading remote sensor for SO₂ and NO₂ (the acid rain gases) in use worldwide — COSPEC;
- airborne laser fluorosensor for monitoring oil pollution on water;
- reflectance instruments, ratioing radiometer HHRR and reflectance spectrometer REFSPEC for plant stress studies, and geological exploration;



- gas filter correlation spectrometer (GASPEC), used in the Space Shuttle to monitor global carbon monoxide;
- priority pollutant analysis;
- infrared gaseous imagery for remote mapping of target gases.

Mark III airborne laser fluorosensor system.

Principles of operation of an airborne laser fluorosensor.