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we hear that

International Conference on High Energy Physics at the University of Chicago. He was 29 years old.

During the past few years Saunders, who was an instructor and assistant professor in the department of physics at Princeton University from 1969 to 1972, worked on a number of aspects of collision processes at high energy. He was deeply involved in the theory of multiperipheral dynamical equations and the mathematical properties of



SAUNDERS

these equations. From 1967 to 1969 Saunders was a postdoctoral fellow at the Imperial College in London. He was a graduate of the University of Toronto, and he received his PhD from the Massachusetts Institute of Technology.

Andrew J. Drummond

Andrew J. Drummond, chief scientist at the Eppley Laboratory in Newport, Rhode Island, died on 26 August. He was 54 years old.

Born in Scotland and educated at St. Andrews University, Drummond joined the staff of Kew Observatory, UK, in 1941, eventually becoming head of the meteorological division there. Subsequent to his service as head of the radiation service of the Weather Bureau in Pretoria, South Africa (1949-56) he came to the US as chief scientist of the Eppley Laboratory where he was a pioneer in the improvement of radiation detectors and the determination of standard sources of total and spectral irradiance. A leading authority in radiometry, Drummond organized and participated in numerous intercomparisons of radiometric standards throughout the world. □

Here's how GPC'S Electro Ion pump compared to a Noble Vaclon pump in actual performance tests.



The performance of GPC's Electro Ion® pump was compared under identical test conditions to a 400 liter/second Noble Vaclon® pump of approximately the same cost. The test results showed:

- The Electro Ion pump pumped active gas bursts from the 10^{-3} Torr range to the 10^{-7} Torr range 3 to 19 times faster than the sputter-ion pump.
- The sputter-ion pump regurgitated 4 to 14 times more previously pumped argon than the Electro Ion pump under exactly the same pump memory test conditions. Completely stable argon pumping in the Electro Ion pump is assured because buried inert gases are continuously covered by newly deposited getter material.
- Starting from atmospheric pressure, the Electro Ion pump consistently produced lower pressures more rapidly on both clean and dirty 150 liter systems.
- Both pumps rapidly pumped water vapor, methane and propane at about the same speed.
- The Electro Ion pump has more than enough inert gas speed to handle the inert gas load in any closed system.

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