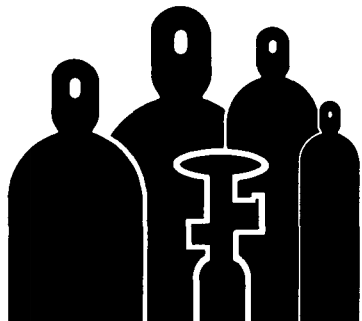


# Voltaix

## CVD GASES



# DISILANE

Highest Purity  
Available, Anywhere  
( $>1500$  ohm-cm)

### Quality Control

- ◆ 100% GC / MS analysis

### Packaging Options

- ◆ Any quantity, same spec.
- ◆ Steel, polished steel or aluminum cylinders
- ◆ Pneumatic valves for fail-safe gas supply
- ◆ Optional flow restrictor for added safety
- ◆ "Keyed" VCR outlet for UHV connection to system

### Also of Interest

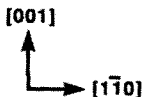
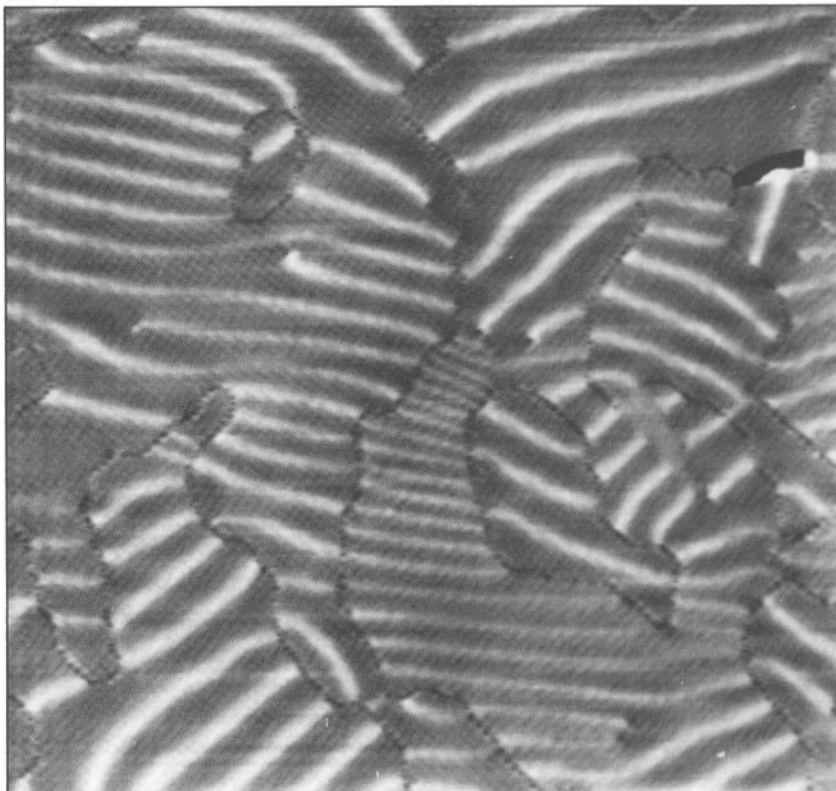
- ◆ Diborane
- ◆ Trimethylboron
- ◆ Germane
- ◆ Digermane
- ◆ All mixtures

# Voltaix, Inc.

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This quarter-micron on a side scanning tunneling micrograph shows antimony (Sb) metal. If we hadn't known better, we would have guessed zinc. Under the Sb is the (110) plane of a gallium arsenide (GaAs) crystal substrate. We would have guessed steel. The Sb is only four monolayers thick and, after annealing, betrays its crystallographic misalignment with the GaAs via fine (25 Å) moiré effect striations as well as more prominent strain-relief-induced domain-wall dislocations. We would have guessed corrugations. The Sb grains on GaAs are described by J.C. Patrin, Y.Z. Li, M. Chander, and J.H. Weaver of the University of Minnesota in *Phys. Rev. B* 45 (1992) p. 3918. The pile of galvanized steel fragments raises images of post-wrecking-ball remnants of shanty-town roofs—the result of a societal rather than crystallographic mismatch.