

Van Purchases and Standards (RVOC – October 2004)

The Latest

- *28 Vans built, under construction, or funded since 2000 ...*
 - *25 > NSF, 3 > ONR*
 - *5 > “Pooled” Vans, 20 for various institutions*
- *2 Vans currently under construction ...*
 - *Calibration/ “hydro” van (UW)*
 - *Workshop van (Univ. of Hawaii)*
- *3 Vans funded and waiting to begin...*
 - *“Pooled” Isotope (East Coast)*
 - *Science-owned van (Hutchins)*
 - *Calibration/ “hydro” van (WHOI)*
 - *Conversion of first Calibration van for HBOI > to pooled “clean” van*

Van Purchases and Standards

- Van types built
 - General-Purpose
 - Isotope
 - Calibration/ “hydro”
 - Chemical Storage (USCG approved)
 - Trace-metal clean
 - Cold
 - Electronics
 - Dive
 - ROV Control
 - Workshop

Construction



Dive Van (URI)



Pooled General-Purpose Van



Pooled Cold Van



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- Gone well ... but not all perfect:
 - First HBOI Calibration/ “hydro” van didn’t meet spec’s – time to perfect design and delayed delivery of other calibration vans.
 - WHOI Chemical Storage Van - leak in electrical J-box
 - 10,000 Btu HVAC unit too small in some applications - upgrades to be made to vans under construction and in the field as required.
- Still to do:
 - Web-based Van Inventory
 - Securing Standards
 - Update drawings, specs, and web site (continual process)
- Making improvements continuously – all feed-back welcome!!

Van Purchases and Standards

Van Lessons Learned

- Remember the “Sheltered Location” requirement.
 - All that separates R/V’s from requirements of other industries (Classification Society Standards based on MODU requirements)
 - On foredeck only if third tier
 - New vessel designs should not have vans forward
- Find alternate mating/sealing arrangement.
 - AGOR methods make van too specific
 - Should accept all vans (both ship and science owned)
 - Around corner structure? (CHRV)
- Classed vessels – ABS has renewed interest.
 - CHRV van details under review
 - ...”more to follow”

Pooled Vans

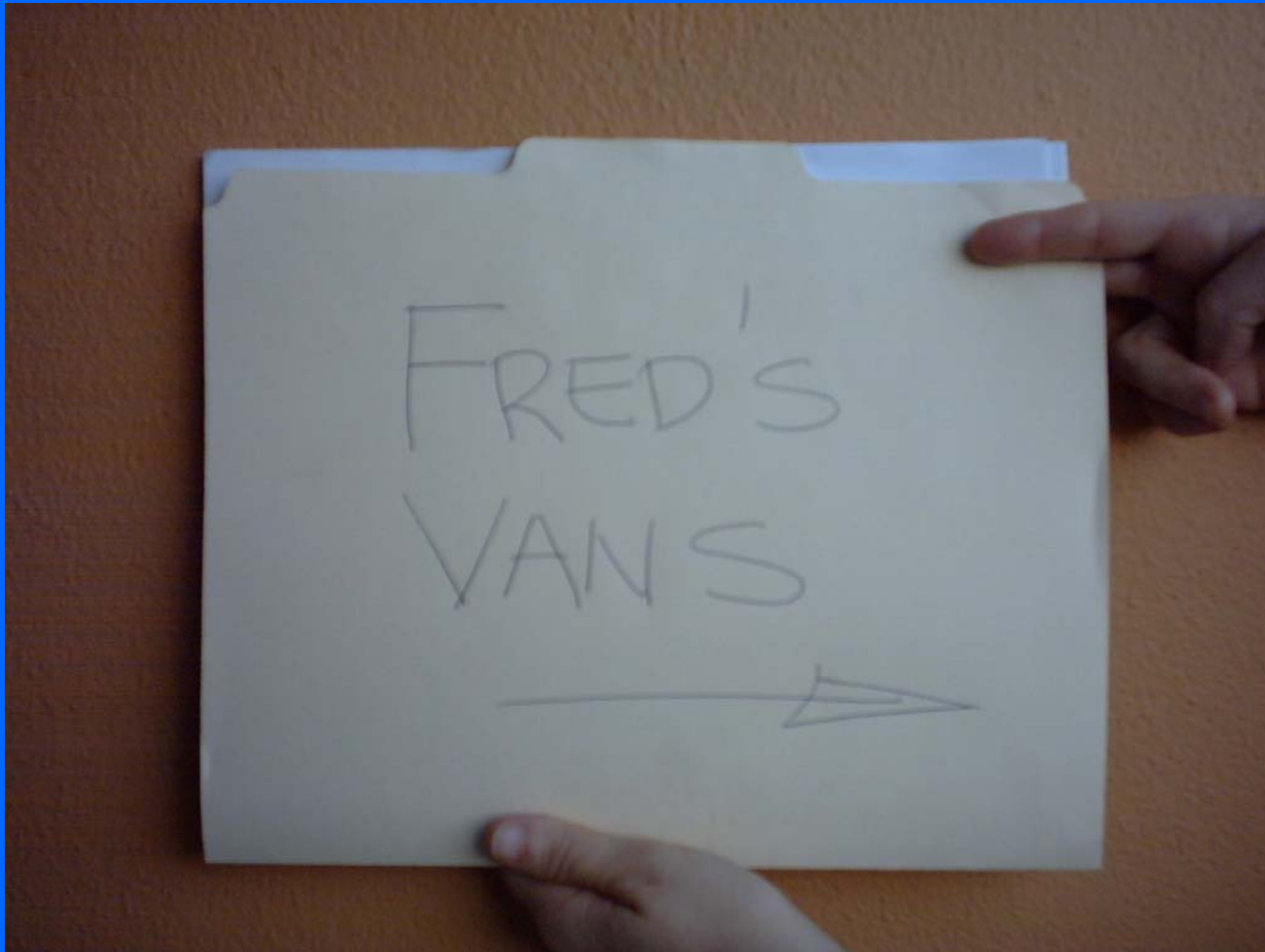
- East Coast (Matt Hawkins)
 - Aluminum Cold Lab
 - Aluminum General-Purpose
 - Aluminum Isotope (funded – to be built)
 - Aluminum “Clean” Van (still to be converted – former HBOI van)

- West Coast (Fred Jones)
 - Steel Cold Lab
 - Steel Isotope
 - Web site!

Pooled Vans



Pooled Vans



Pooled Vans

- Normally – “User” (Scientist or Ship Operator) includes rental cost and shipping in their proposal.
- Van Pool “Custodian” (Fred or Matt) to invoice User.
- Can be included in “Custodian’s” Ship Ops proposal if needed.
- Daily rates range from \$60 - \$90/day
- Shipping can be the major cost – use closest pool if possible.

The moral is: Find out van needs as early as possible.

Pooled Vans

2004 Deployments

- 3 vans on *HEALY* for entire season – East Coast Pooled GP van, West Coast Pooled Isotope, UT Isotope as GP van.
- Pooled GP van on *OCEANUS* (Ledwell).
- East Coast Cold van on *SEWARD JOHNSON* (Youngbluth).
- West Coast Cold van on *WECOMA* (Reimers).
- Van evaluations requested from PI's for each deployment.

2005 van schedules taking shape! – contact Fred or Matt if you have any needs.

Pooled Vans on *HEALY*



THANKS, FRED!!