

Agenda



- Amphibious Ship Requirements and Inventory Levels
- Maritime Prepositioning Ships Enhancement Strategy

Key Points



Marine Corps Shipbuilding Requirements

- Warfighting. Attain a minimum <u>38 ships</u> to support forward presence and engagement, and generate <u>34 Ao</u> for 2.0 MEB AE
- Stay the course with LPD-17 production. Designate LPD-17 hull form for LSD replacement.
- Return to Big Deck well deck in LHA-8
 - FY16 vs FY17 ship
 - Restore R&D funding now
- Achieve credible seabasing capabilities by enhancing legacy MPS squadrons
 - T-AKEs, LMSRs, MLP Lite, plus technology insertion
 - Restore R&D funding now
- NSFS. Carefully execute and monitor Analysis of Alternatives and assess all hull forms to meet NSFS requirements.



Amphibious Assault Ship Requirements

- 7 Jan 09 SecNav, CNO, and CMC letter stated requirement for 38 amphibious ships fiscally constrained to an inventory minimum of 33
- 33 inventory level accepts risk in MEB support elements



THE SECRETARY OF THE NAVY WASHINGTON DC 20350-1000

January 7, 2009

The Honorable John Murtha Chairman, Committee on Appropriations House of Representatives Washington, DC 20515-6015

Dear Mr. Chairman:

In response to the FY 2009 House Armed Services Committee Report 110-652 regarding "Naval Amphibious Force Structure," the enclosed report addresses the committee's concerns that the seabase should not be composed of non-combatant vessels such as the planned Maritime Prepositioning Force (MPF) aviation ship (MPF LHA) and the MPF landing platform ship (MPF MLP). As directed by the Congressional committees, the report provides details regarding the size and composition of the Naval Amphibious Force necessary without MPF LHA and MPF MLP vessels, to conduct operations from a seabase, with a force comprising two Marine Expeditionary Brigades (MEBs).

The Chief of Naval Operations and Commandant of the Marine Corps have determined that the force structure requirement to support a 2.0 MEB lift is 38 total amphibious assault ships. Understanding this requirement, and in light of the fiscal constraints with which the Navy is faced, the Department of the Navy will sustain a minimum of 33 total amphibious ships in the assault echelon. This 33 ship force accepts risk in the arrival of combat support and combat service support elements of the MEB, but has been adjudged to be adequate in meeting the needs of the naval service within today's fiscal limitations.

The Department of the Navy recognizes the necessity to revisit the decisions reflected in the current shipbuilding plan as world events unfold to achieve the correct balance between expeditionary and prepositioning ships for meeting overall lift requirements.

A similar letter has been sent to Chairmen Inouye, Levin, and Skelton. If we can be of further assistance, please let us know.

G. Roughed Admiral, U.S. Navy Chief of Naval Operations lames T. Conway General, U.S. Marine Corps Commandant of the Marine Corps Donald C. Winter Secretary of the Navy

Enclosure: 1. Report to Congress on Naval Amphibious Force Structure

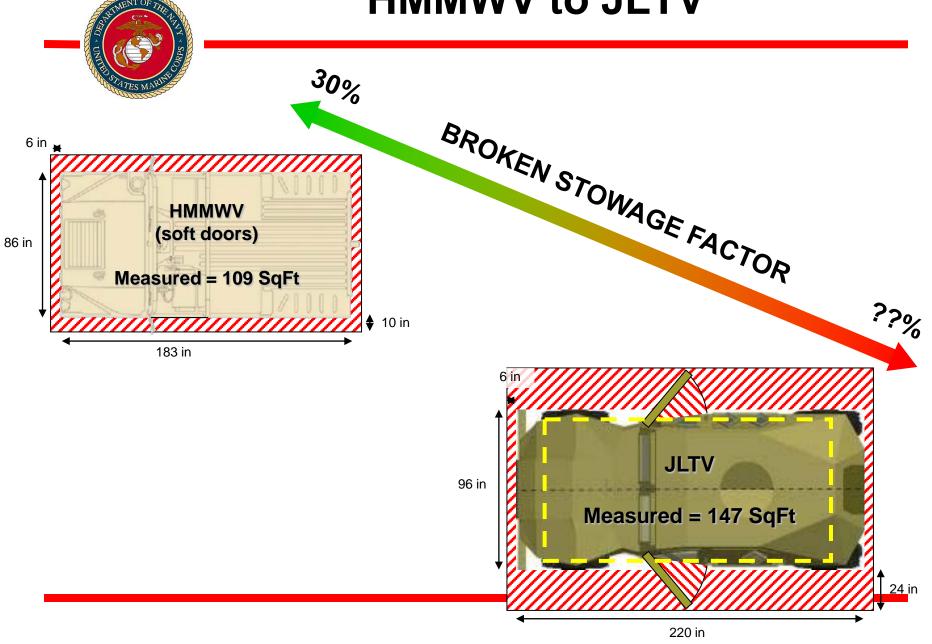
Copy: The Honorable Bill Young Ranking Member



Assault Echelon Shipping 31 ships in commission as of 9 Nov 09

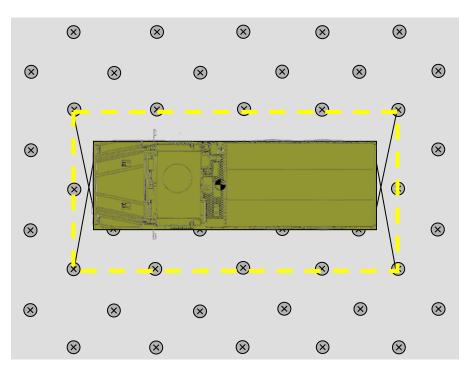
LHA / LHD (Amphibious Assault Ship)			LPD 4 (Amphibious Transport Dock)		
Hull LHA 4 LHA 5 LHD 1 LHD 2 LHD 3 LHD 4 LHD 5 LHD 6 LHD 7 LHD 8	Ship USS Nassau USS Peleliu USS Wasp USS Essex USS Kearsarge USS Boxer USS Bataan USS BHR USS Iwo Jima USS Makin Island	Location Norfolk, VA San Diego, CA Norfolk, VA Sasebo, Japan Norfolk, VA San Diego, CA Norfolk, VA San Diego, CA Norfolk, VA San Diego, CA Norfolk, VA	Hull LPD 7 LPD 8 LPD 9 LPD 15	Ship USS Cleveland USS Dubuque USS Denver USS Ponce	Location San Diego, CA San Diego, CA Sasebo, Japan Norfolk, VA
LPD 17 (Amphibious Transport Dock)			LSD 41/49 (Dock Landing Ship)		
Hull LPD 17 LPD 18 LPD 19 LPD 20 LPD 21	USS New Orleans USS Mesa Verde USS Green Bay	Location Norfolk, VA San Diego, CA Norfolk, VA San Diego, VA Norfolk, VA	Hull LSD 41 LSD 42 LSD 43 LSD 44 LSD 45 LSD 46 LSD 47 LSD 48 LSD 49 LSD 50 LSD 51 LSD 52	Ship USS Whidbey Island USS Germantown USS Fort McHenry USS Gunston Hall USS Comstock USS Tortuga USS Rushmore USS Ashland USS Harpers Ferry USS Carter Hall USS Oak Hill USS Pearl Harbor	Location Little Creek, VA San Diego, CA Little Creek, VA Little Creek, VA San Diego, CA Sasebo, Japan San Diego, CA Little Creek, VA Sasebo, Japan Little Creek, VA Sasebo, Japan Little Creek, VA Little Creek, VA

HMMWV to JLTV



Additional Lashings



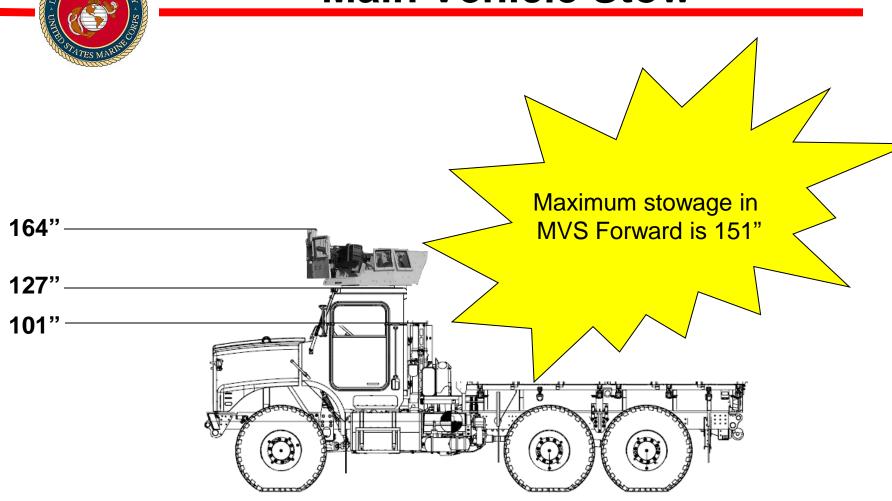


MTVR at 39,000 lbs (unarmored cab with mobile load) Requires 4 tie-down points

MTVR at 48,000 lbs (armored cab with mobile load) Requires 8 tie-down points



MTVR Stowage in LPD 17 **Main Vehicle Stow**



Armor/Protection



Significant Impact on Vehicle Height & Ship Stowage Location





Depending on which variant of armored gun mount is added, there is a height increase of 20 to 30 inches per vehicle

Mobile Loads



Extended Bed MTVRs







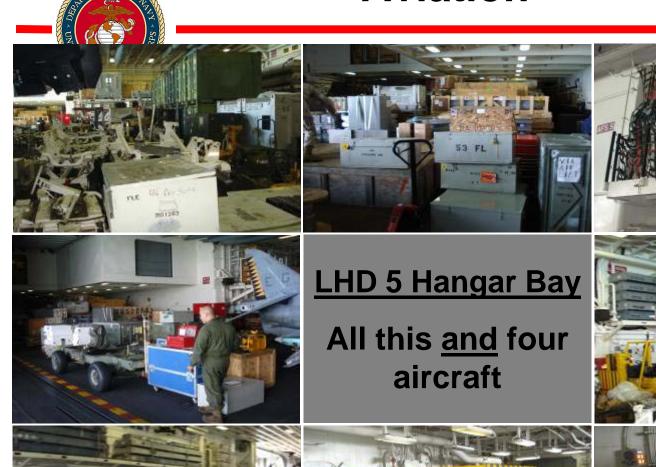


Aviation





Aviation













Engineer Equipment

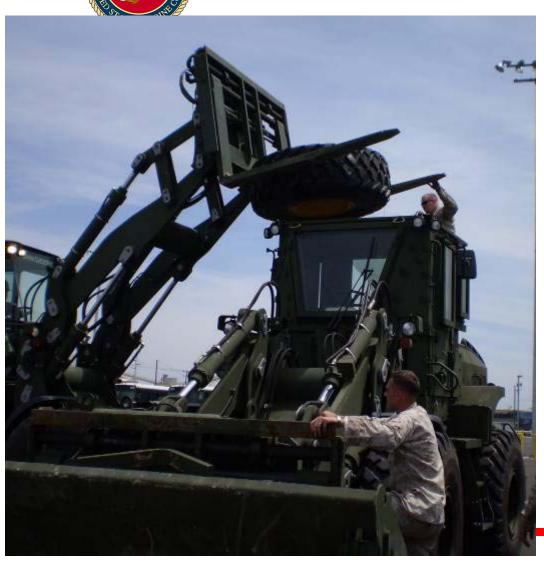
TRAM



- New TAMCN B0063 replaces B2567
- Addition of armor to the cab one key difference

Engineer Equipment





- Various contributors to increases in dimensional data, e.g. spare tire strapped to roof of the TRAM
- Techniques such as this are common practice

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Current MPS Configuration

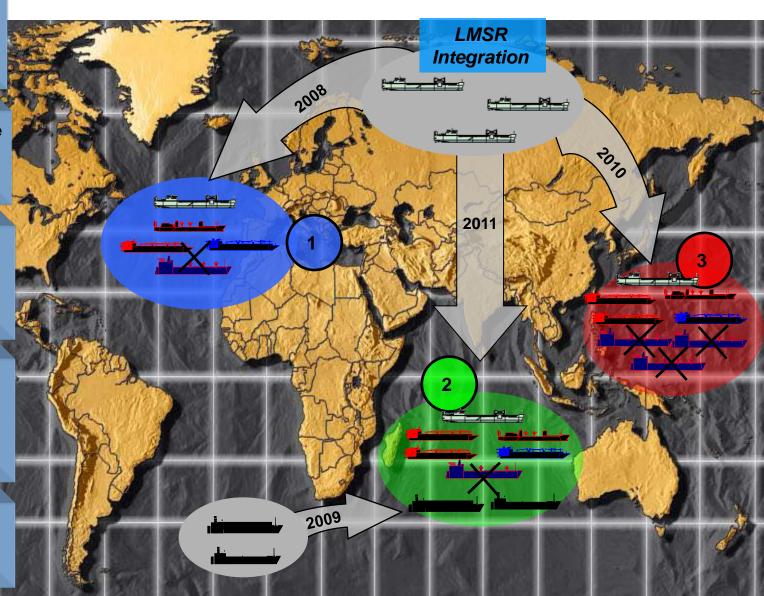
Maersk Termination/ Waterman Purchase

Integrates three LMSRs, a tanker and container ship

Mitigates T/E
Growth and
Armoring

Enables advanced seabasing experiments

MPF Equipment Reset Complete



SALVES MARTH

Maritime Prepositioning Ships Enhancement Strategy

MPS today

- Dense packed
- Integrated with Amphibs during JFEO
- Requires pier facilities to offload
- Offload optimized for conventional conflict
- Optimized for high-end threat
- Limited Employment Options
- Limited scalability optimized for MCO

MPS tomorrow

- Selective offload
- Integrated into routine, steady state operations
- In-stream offload
- Loaded and configured with enablers to address hybrid threats across ROMO
- Multiple Employment Options
- Loaded and configured with enablers to address hybrid threats across ROMO
- Selective offload
- Integrated into routine, steady state operations



MPS Enhancement Strategy

- Roll-on roll-off cargo ships, coupled with mobile landing platforms, provide key enabling capabilities to fully leverage existing MPS capabilities
 - Selective offload
 - Increased ship stowage capacity allows for reconfigured loads across MPSRON for selective offload
 - In-stream offload of Large, Medium Speed RO/RO (LMSR) with Mobile Landing Platform (MLP Lite)
 - Increased connector lift capacity with MLP Lite
 - Increased ship-to-shore throughput

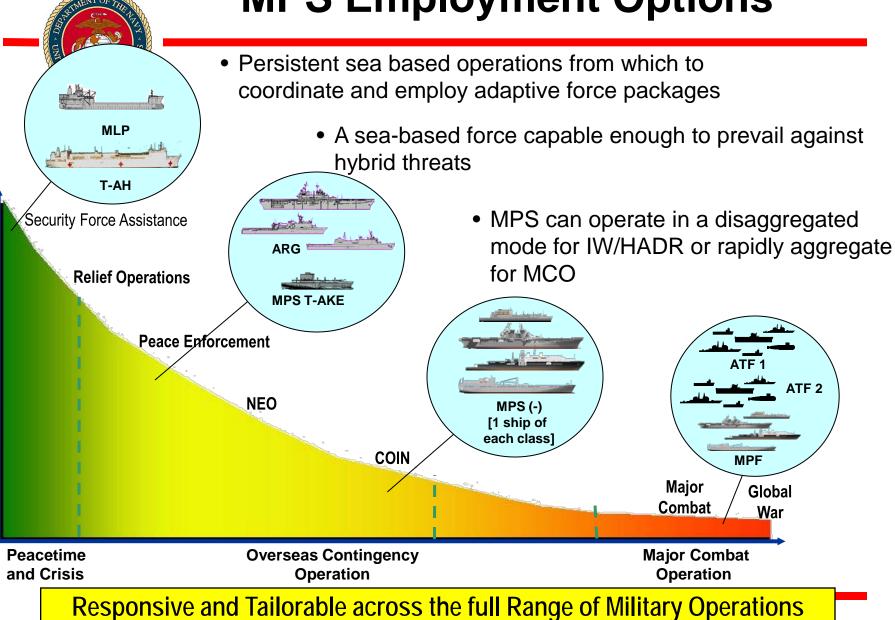
Notional MLP Lite







MPS Employment Options



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MPS Enhancement Strategy

- THE MARINE
- Enhance legacy MPS squadrons to improve capabilities and inform MPF(F) development over long term
- CONOPS
 - Modular employment options
 - Steady state amphibious and MPS integration
- Technology insertion
 - JHSV Sea State 3 Ramp Upgrade
 - Pendulation control mod to existing LMSR cranes
 - LCAC integration with Roll-on/Roll-off discharge facility (RRDF)
- Platforms
 - Alaska Class Heavy Lift Ship "MLP Lite"
 - LMSR
 - T-AKE















Designed to illuminate MPF(F) capabilities over the long term





Flo-Flo Testing and Demonstration

 Continue at-sea vehicle/equipment transfer and surface interface operations between MPS ships and surrogate Mobile Landing Platform vessels

Joint High Speed Vessel Ramp Upgrade

 Enhance current JHSV ramp design to sea state 3 interface with MPS organic Improved Navy Lighterage System's Roll-on/Roll-off Discharge Facility





Pendulation Control Mod to Existing Cranes

- Enhance MPF LMSR cranes to operate in sea state 3.

Roll-on/Roll-off Discharge Facility (RRDF)

- Enable MPS RRDF interoperability with LCACs







Existing STOCKHAM Modifications

 Enhanced command and control, aviation, and berthing capabilities on Maritime Prepositioning Ships ISO SSSP, IW, presence missions

Increased speed, flexibility & versatility for in-stream offloads (no port)

But still requires secure airfield and staging area ashore for MAGTF employment

Proposed MLP Lite



- Allows access to LMSR vehicles when ports are not available or the threat precludes pier side off-load
- Provides improved capability for at-sea selective offload of vehicles and equipment compared to today's lighterage offload systems













T-AKE



- Convert selected MPSRON containerized supplies/equipment to pallet/QUADCON level and load aboard T-AKE's
- Gain immediate selective offload capabilities across wide range of MPS sustainment stocks
- Sustain MEB size unit for 1 month
 - Acting as a station ship for shuttle ships could support MEB indefinitely



LMSR



- The addition of the three LMSRs to today's MPSRON fleet will provide a net increase of over 400,000 square feet, or 18% Facilitates reconfigured loads across MPSRON and enables selective offload of selected items
- Combined with MLP, LMSR provides for accelerated in-stream vehicle and equipment offload rates



STATES MARTIN

What's the Improvement from Today's MPS?

Near Term:

- Flo-Flo testing & demonstration
- Joint High-Speed Vessel ramp upgrades to sea state 3
- Sea state 3 cargo handling via Pendulation Control System (PCS) crane technology
- Roll-on/Roll-off Discharge Facility (RRDF) interoperability with JHSV and LCAC
- Enhanced command and control, aviation, and berthing via existing USNS STOCKHAM LMSR mods
- T-AKE sustainment selective offload
- Afloat and land-based prepositioned load-out configurations to better support IW missions

Mid Term: In addition to near term MPS improvements, overall enhancements in...

- Flo-Flo sea state 4 at-sea arrival and assembly and vehicle & equipment transfer
- Aviation operations across Flo-Flo, LMSR, T-AKE
- Selective offload & sustainment across T-AKE & LMSR
- Vertical and surface maneuver from the seabase
- **C2**
- Medical
- Berthing

Long Term:

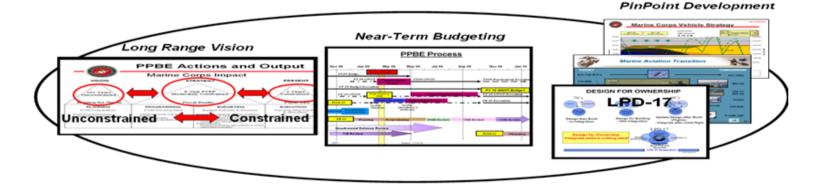
MPS recapitalization into MPF(F)

Discipline the Process

Today's Linear Formula

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Integrated Solutions



Tomorrow's Holistic Approach: Analytically Defendable and Creditable Solutions

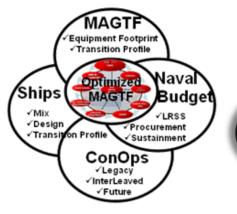
Multi-Path Integration



Through MSIC

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Integrated Solutions

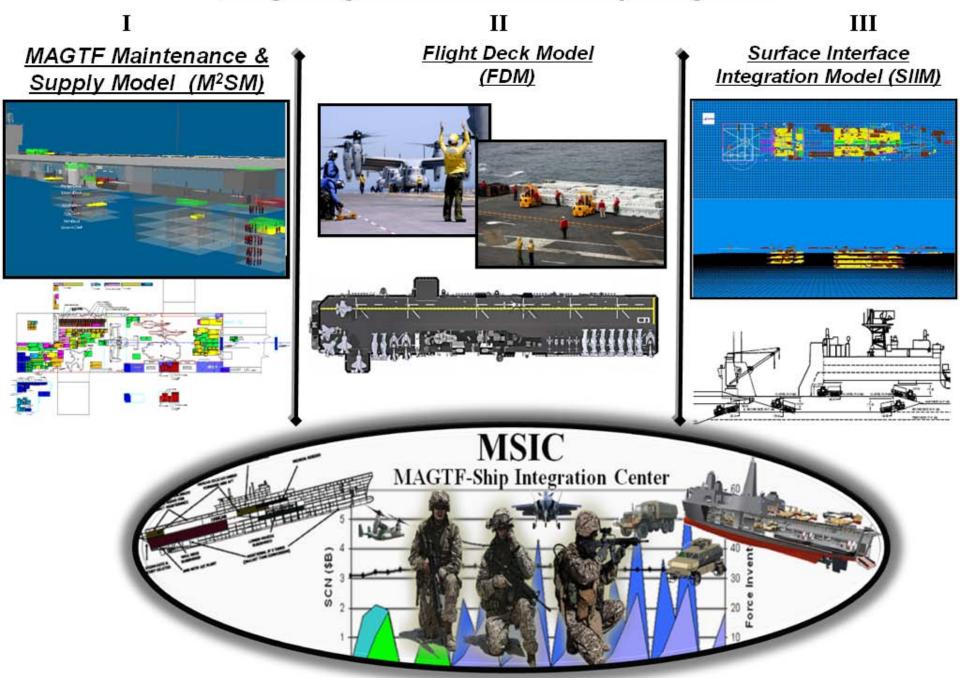




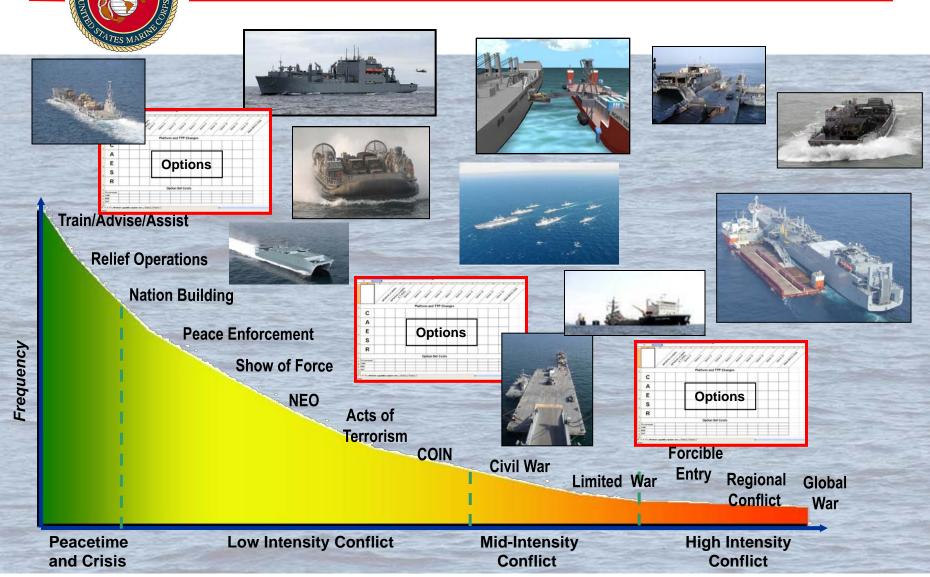


Right Platforms; Right Transition; Right Cost

Integrating M&S for MAGTF-Ship Integration



Endstate: Improved Naval Expeditionary Capabilities





Seabasing Integration Division Points Of Contact



ROW WELL...AND LIVE!



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Questions

Discussion