Utah School of Computing





Gestures Studies

Parts of following gesture material from:

Hand Centered Studies of Human Movement Project, *School of Kinesiology, Simon Fraser University,* February 1996

- Praying (two flat hands up together)
- Begging (flat hand)
- Expressing anger (raising a fist)
- Derogation (middle finger up)
- Accusation (index pointing)
- Live or die decisions in the Roman amphitheater (thumb up/down)

Hitch hiking (thumb up, hand moving sideways)



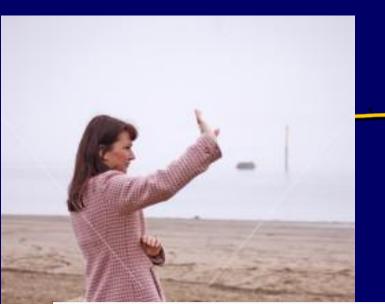








Waving and Saluting



Waving and Saluting





Finger Counting





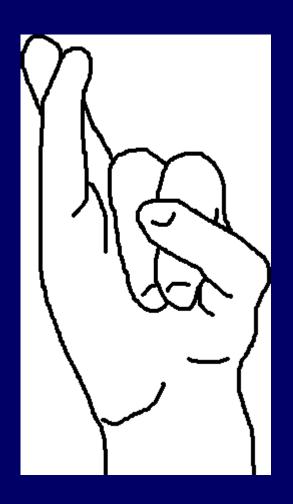
Thumb often used for "1", esp abroad

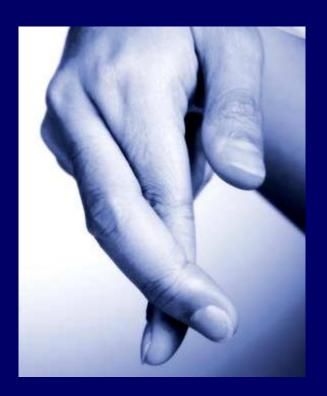
I beg of you

I hope so ...

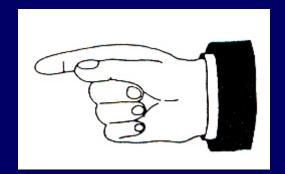








Let's hope its true

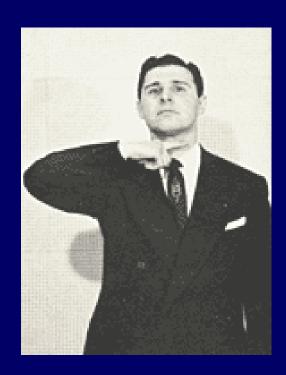












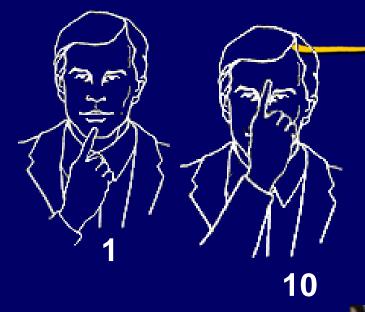
Terminate/cut

Gestures-13 Love (Am Sign Language)



Whoa, stop, ...







Trading Floor Hand Signals









Trading Floor **Hand Signals**





september

june

- Conducting an orchestra (variety of both gestures with arms and body)
- Traffic control of cars and airplanes (hands flat pointing or moving)
- Shaping of imagined objects (hands tracing out curves and shapes)
- Martial arts, fighting (variety of movements of arms and body)

Successful Example



- Dance (Balinese dancing)
- Gesturing by singers (hand and body movements)
- Stock exchange tranactions (hand signals)
- Affective gestures (hand touching)
- Rejective (index up moving left & right) / appreciative (hand clapping) gestures p

- Game playing (hand signs to communicate with partner in card games as casinos)
- Game scoring (cricket, basketball, soccer, rugby, football)
- Dinner table actions (commanding waiter to refill wine glass)
- Positioning of real (remote or close) Control Panel operations (mousing, steering a vehicle)

- Moving, touching and interacting with objects
- Silent and non-verbal communication (shrugging, holding one's own earlobe, scratching)
- "Italianate" gestures (two hands open shaking)

- Mimicry and pantomime (actions and objects are depicted with hand/body movements)
- sign language (a complete linguistic communication system)
- Mimicry and pantomime (actions and objects are depicted with hand/body movements)

- Shimmering hand (maybe, maybe not)
- Sign language (a complete linguistic communication system)
- Aircraft carrier landings
- Dog training
- Gambling signals at a casino













































































Transport for London





































Pictgram standard MAYON OF LOND ON



Transport for London

































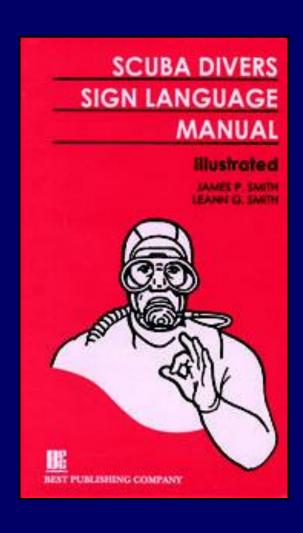




Pictogram standard MAYOR OF LOND ON

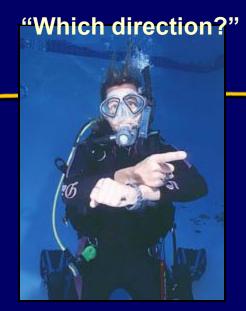


Special Need Group: Divers

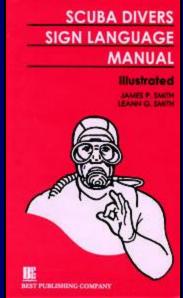






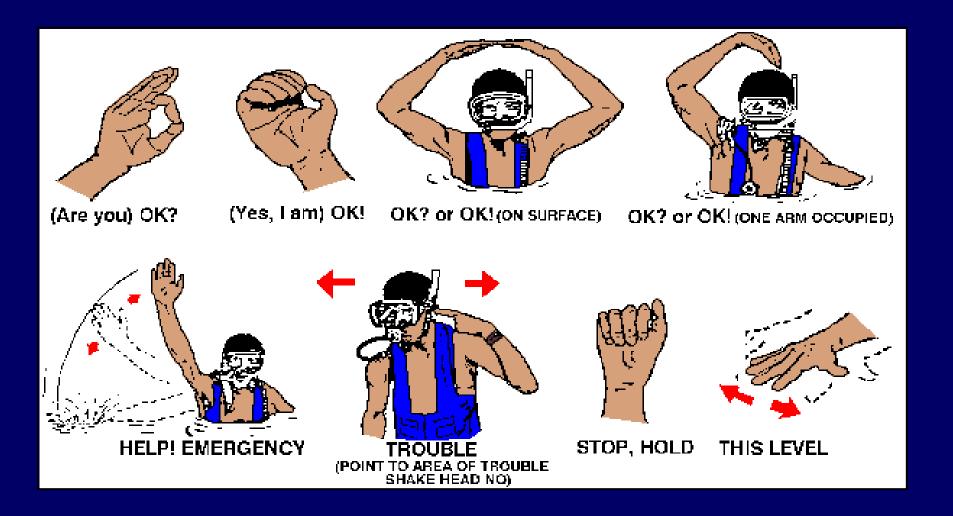




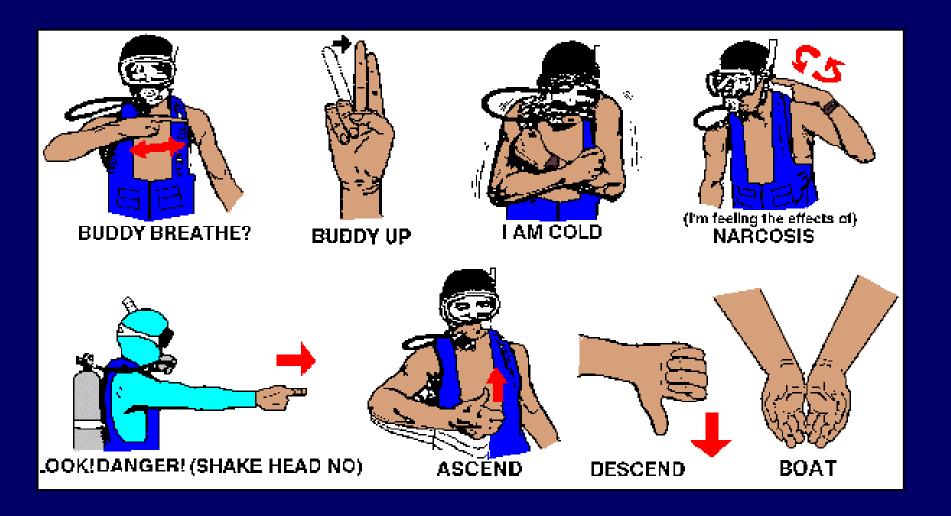




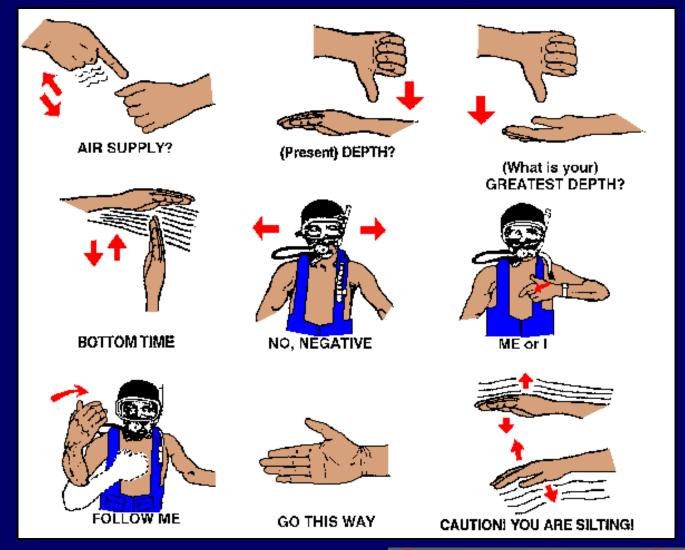
Underwater Communications and Hand Signals - 1



Underwater Communications and Hand Signals - 2



Underwater Communications and Hand Signals - 3



ARFF Emergency Hand Signals - 1

Aircraft Rescue and Fire Fighting (ARFF) Communications

ARFF Emergency Hand Signals - 2



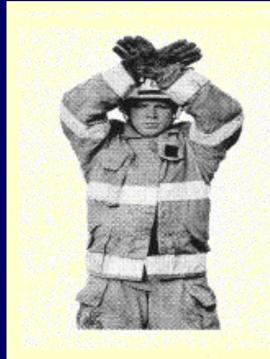
<u>RECOMMEND EVACUATION</u> - Evacuation recommended based on ARFF IC's assessment of external situation.

Arm extended from body, and held horizontal with hand upraised at eve level. Execute beckoning arm motion angled backward. Nonbeckoning arm held against body.

NIGHT - same with wands.

Recommend Evacuation

ARFF Emergency Hand Signals - 3



<u>RECOMMEND STOP</u> - Recommend evacuation in progress be halted. Stop aircraft movement or other activity in progress.

Arms in front of head -Crossed at wrists.

NIGHT - same with wands.

Recommend Stop

ARFF Emergency Hand Signals - 4



EMERGENCY CONTAINED - No outside evidence of dangerous condition or "all-clear."

Arms extended outward and down at a 45 degree angle. Arms moved inward below waistline simultaneously until wrists crossed, then extended outward to starting position (umpire's "safe" signal).

NIGHT - same with wands.

Emergency Contained



Now, hear this,





Audio clip: Clear the deck and prepare to launch announcement



Now, hear this,

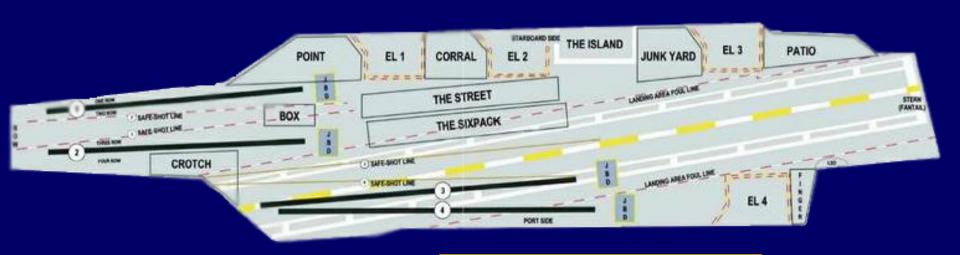


Aircraft Carrier Deck Operations

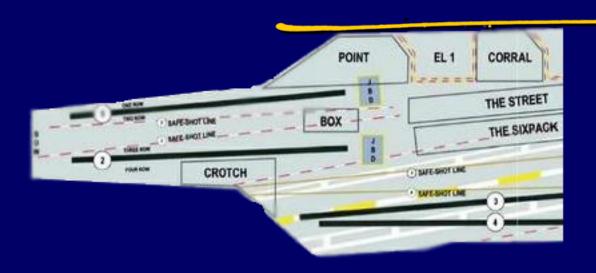




Flight Deck Organization-1



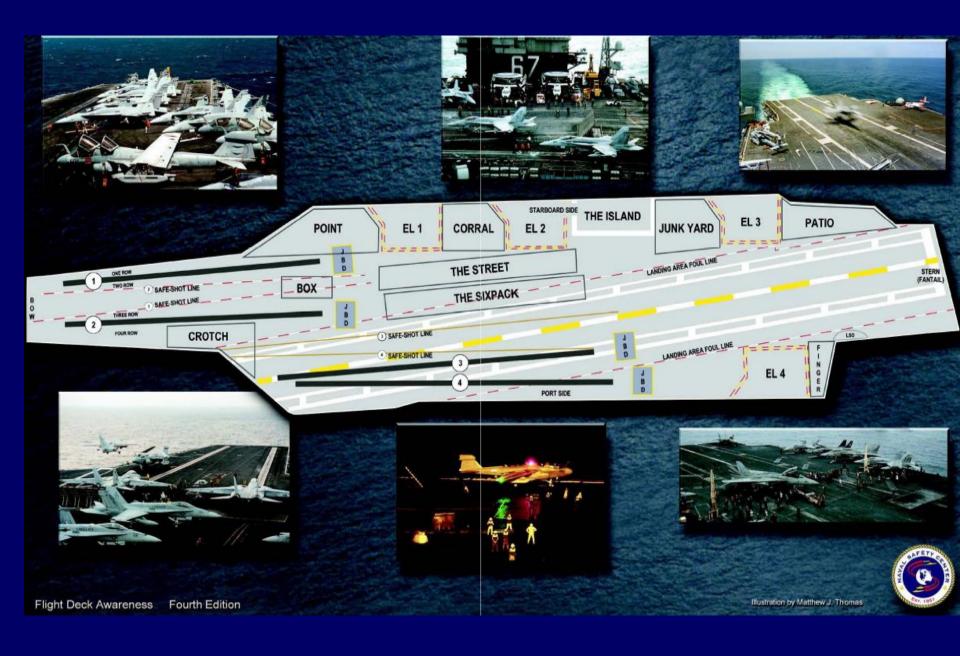
Aircraft traffic flow using angle deck





Uniform Colors-1





Uniform Colors-2

Yellow Shirts: Flight Deck Officers and Plane Directors

Green Shirts: Catapult and Arresting Gear people

Red Shirts: Aviation ordnance crews.

Checker Shirts: Squadron maintenance

White Shirts: Flight deck medical corpsmen

(w Red Cross):

Uniform Colors-3

Blue Shirts: Flight Deck Crew

Brown Shirts: Squadron personnel

Purple Shirts: Aviation fuels people

White Shirts: Mail and people handlers

White Shirts: Flight deck medical corpsmen

(w Red Cross):

Plane Director Uses Hand Signals to Give Direc LT JOHN BECKER

Plane Director Using Hand Signals - 2





<Flight Dec

Cat video.a





B & O Touchless Remote - 1

Bang & Olufsen (see folder of neat material in resource folder)

Conclusions

- Like poetry, extraordinarily succinct
- Can be highly Universal, International
 - Subject to bad cultural misinterpretations
- Increasingly widespread use
 - Olympics
 - Travel
 - Commerce

Utah School of Computing



End

BOOKMARK

Complete
Final Turn
Up
(Instructio
ns to pilot)



Brakes off or Brakes On





Suspend Catapult Operation



All Clear or Affirmative

(Fist clenched = Suspend Operation)



The pilot salutes when ready to launch.
The Plane Director returns salute to acknowledge pilot's readiness.

Lower
Launch Bar
or Raise
Launch Bar



I have control. (Taking over

from previous controller)





Hang Fire (Pilot to hold on until further instructions)

BOOKMARK

Logitech Harmony 900

http://www.youtube.com/v/Rmh
tFk2zCmM?version=3