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**AAC for Aphasia: Use of Visual Scene Displays**

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**AAC for Aphasia: Use of Visual Scene Displays**

**Presenters (Order of Appearance)**

David Beukelman  
Karen Hux  
Michelle McKelvey  
Aimee Dietz  
Kristy Weissling

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**Visual Scene Displays**

**Purposes:**

1. To provide a brief introduction to persons with aphasia
2. To examine the role of context in aphasia intervention
3. To describe the Visual Scenes Display Project
4. To present experiences of 3 persons with aphasia

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**Aphasia and Apraxia**

- **Aphasia:** A language interpretation (reception) and formulation (expression) impairment resulting from an acquired brain injury
- **Apraxia of Speech:** A neurogenic speech disorder that is characterized by erroneous production of speech sounds, reduced rate of speech, increased time in transitioning between sounds, syllables, and words, and disordered prosody

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**Review of Capability**

- Reductions in comprehension and expression of language including retrieving words or sentence structures

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**Review of Capability**

- Relatively preserved intellectual ability
- Relatively preserved visual-spatial ability
- Preserved memory
- May experience reduction in processing speed, attention, problem solving

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## Range of Capabilities

- Wide range of differences
  - Residual capabilities
  - Overall severity
  - Response to intervention



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## Aphasia Intervention

- Reduce the severity of the impairment with the goal of restoring language processing.
- Develop and maintain compensatory strategies to support communication interaction
- Both



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## Listeners

- Severe aphasia not only impacts the speaker, but also the listener(s)
- For more severe aphasia, the listener must play an important role in co-constructing messages and intents
- It is common for a person (or a couple of people) close to the individual with aphasia to adopt the role of communication facilitator or interpreter.



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## Impact on Social Roles

- Prior to aphasia, the individual has usually lived a typical life with multiple social roles and relationship.
- Severe aphasia dramatically reduces one's social network
- A goal of intervention is to maintain and expand their social network.



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## AAC and Aphasia

Wide range of strategies are currently employed to support communication interaction depending on needs and capabilities of the individual:

- Drawing (Lyons)
- Written Choice (Garrett)
- Communication Books: To support attempts to communicate through residual speech
- AAC devices--Often to support specific functions--telephone, presentations, routine communication such as greetings, prayers, jokes, and so on.



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## Goal of the Current Project

- The VISUAL SCENES project is designed to develop strategies to provide persons with aphasia (and apraxia) with visual contextual support to navigate the options of AAC strategies and to communicate messages



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**Carl Olson  
Project Consultant**



**Visual Scene Display:  
Introduction to the  
System**

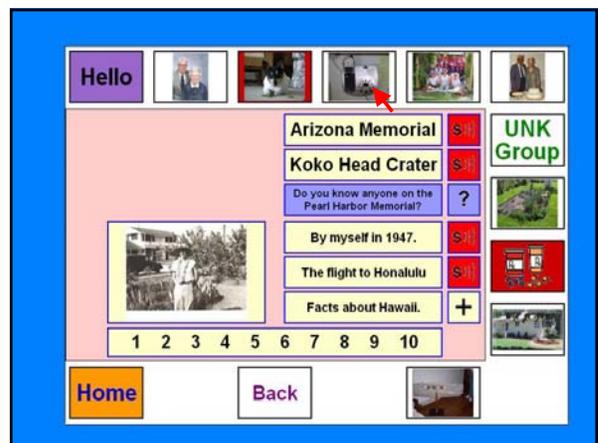
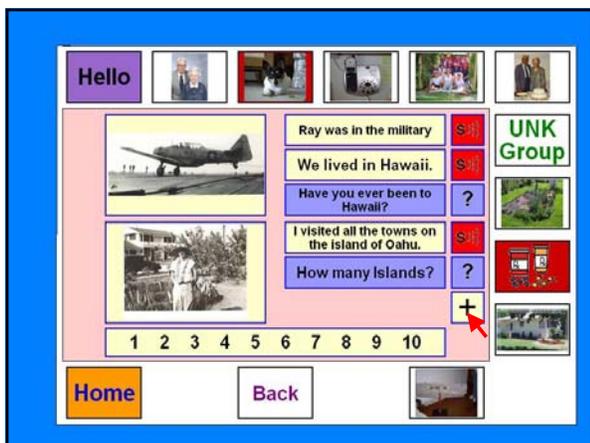
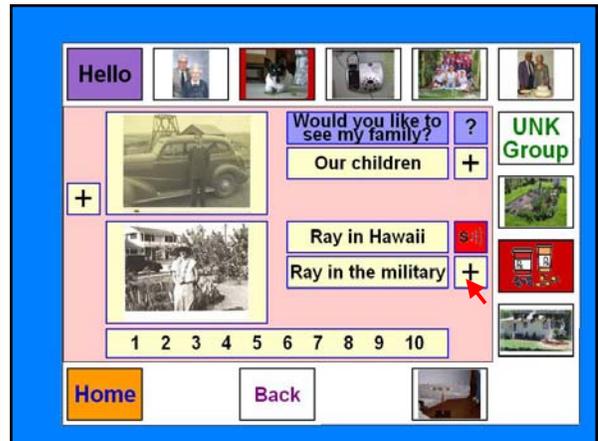
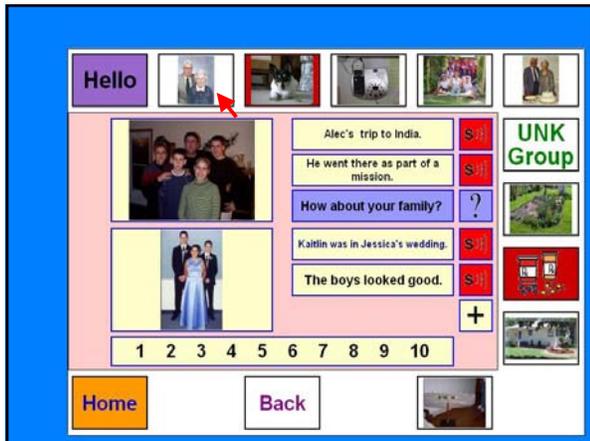
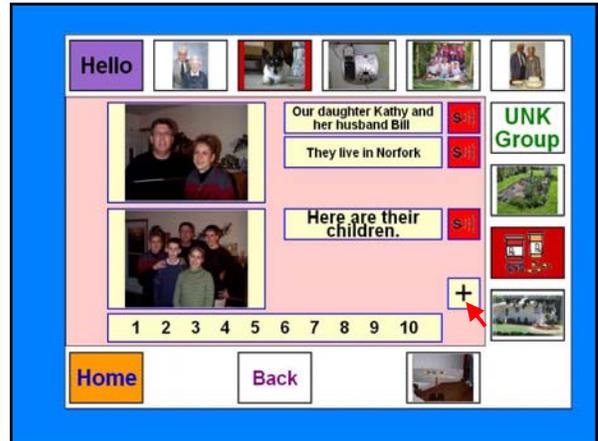
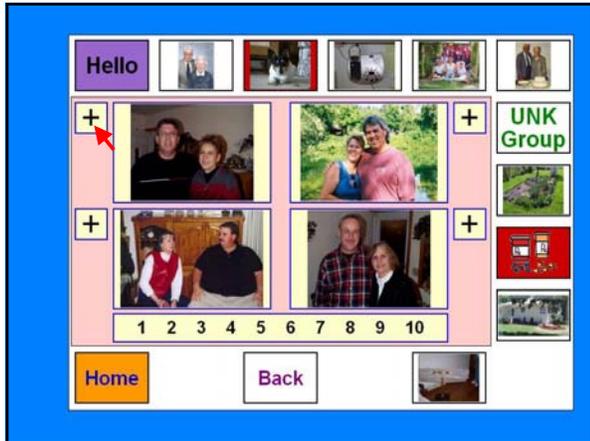
Miechelle McKelvey, SLP  
Rita Gembala, Aphasia Expert

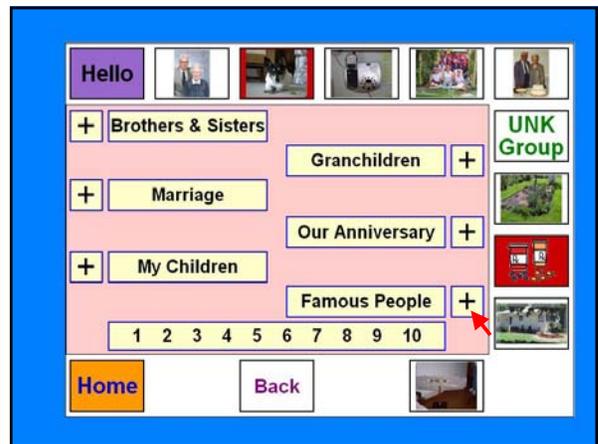
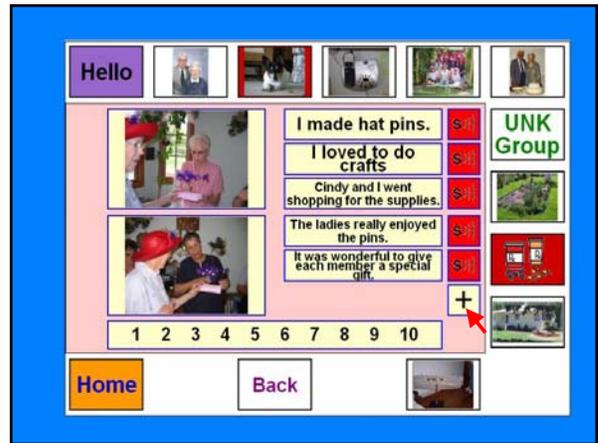
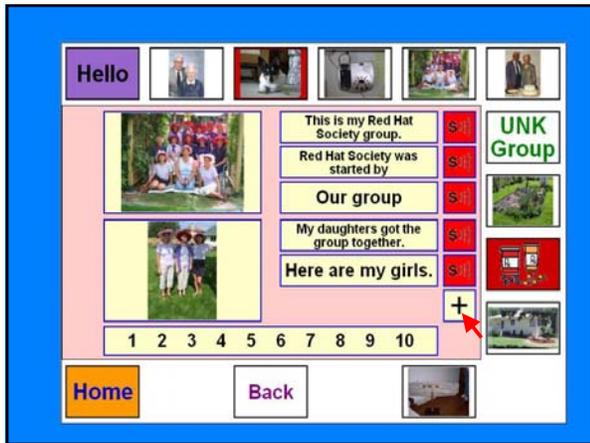
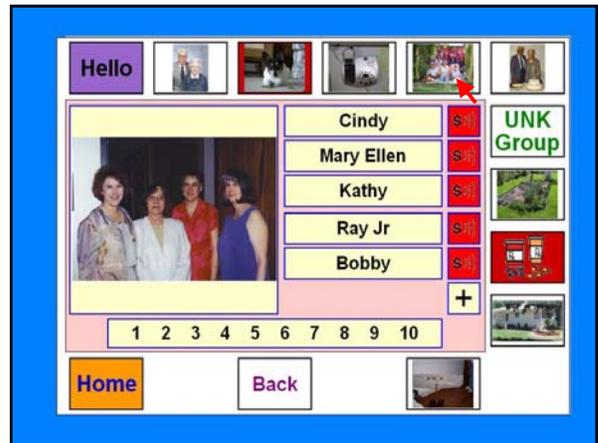


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Hello

John Wayne

Roles he played

What is your favorite John Wayne movie?

Clark Gable

Gone with the Wind.

What else have you seen him in?

1 2 3 4 5 6 7 8 9 10

Home Back

UNK Group

+

Hello

Clue 1

Clue 2

Clue 3

Clue 4

Clue 5

1 2 3 4 5 6 7 8 9 10

Home Back

UNK Group

+

Hello

Veteran's honor rose.

I love roses.

What kind of flowers do you like?

Mandevilla.

Tell me about your flowers.

1 2 3 4 5 6 7 8 9 10

Home Back

UNK Group

+

Hello

First Roses

45 years ago

Tell me about your first house?

Golden Shower

Do you have a favorite flower?

1 2 3 4 5 6 7 8 9 10

Home Back

UNK Group

+

Hello

The mums are blooming.

Tell me about your favorite flowers.

Purple mums

Your favorite season.

1 2 3 4 5 6 7 8 9 10

Home Back

UNK Group

+

Hello

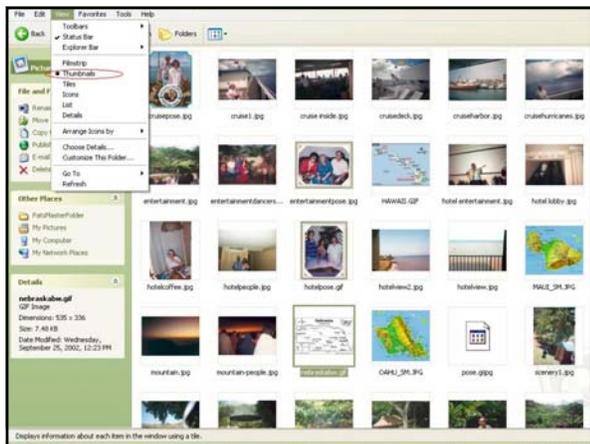
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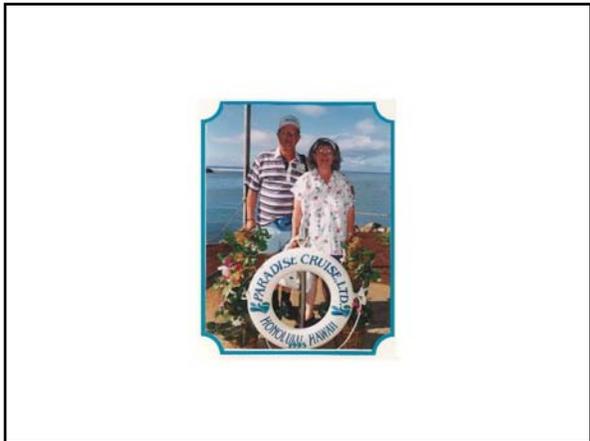
1 2 3 4 5 6 7 8 9 10

Home Back

UNK Group

+





	I went to Hawaii with my husband Leroy.	S
	While I was there I went on a cruise with Leroy.	S
	Have you ever been on a cruise before?	?
	The Pacific ocean is beautiful, have you ever seen it?	?
	Here is Maui, the main island of Hawaii.	S
	There was a lot I had to do before going to Hawaii.	S

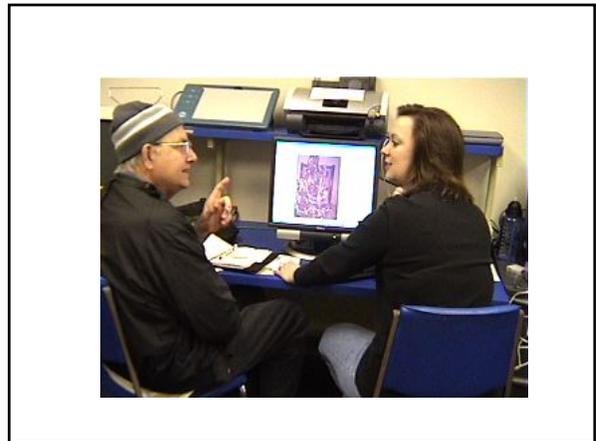
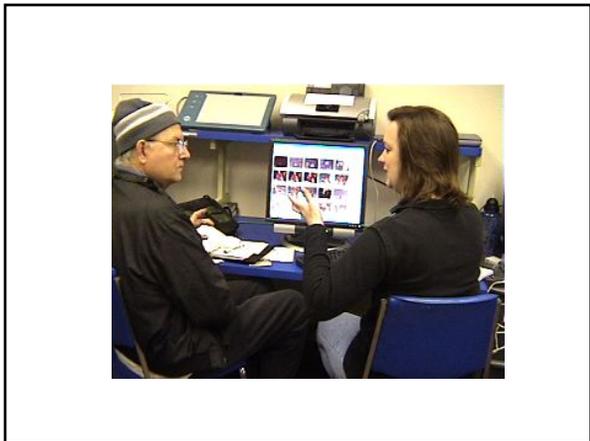
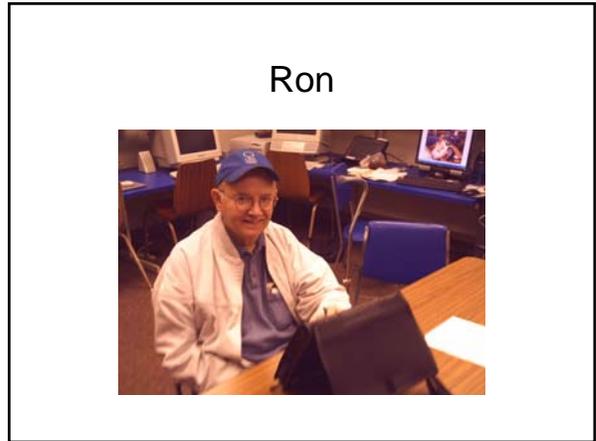
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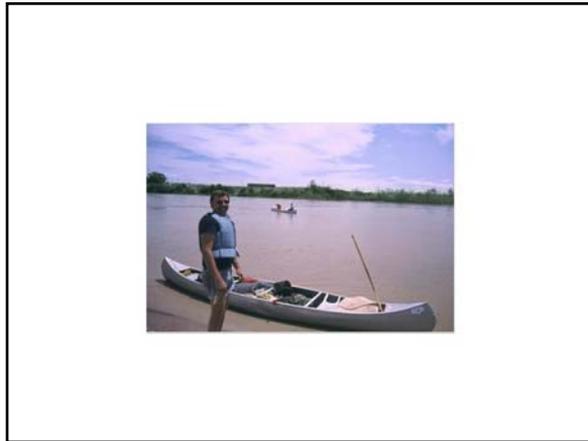
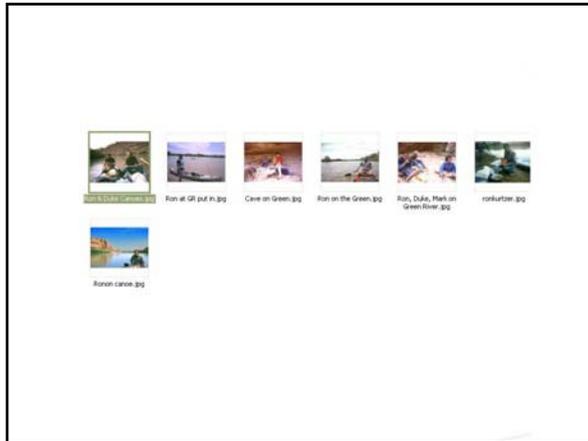
Main Back

	While we were there we met Don Ho!	S
	That was the best part of the whole trip!	S
	Don Ho is my favorite singer.	S
	His song "Tiny Bubbles" is my favorite song.	S
	Have you ever met a famous person?	?
	I bet you don't have a picture with him or have his autograph!	S

1 2 3 4 5 6 7 8 9 10 +

Main Back





	Can you guess who these guys are?	? .
	Yes! That is me and Duke on the Green River in the 1980's	S))
	I took a 9-day trip with my buddies Duke, Ron, and Mark to Utah.	S))
	Here is shot of me at the 'put-in' of Green River	S))
	Would you like to see some more shots of this adventure?	? .
		More +
1 2 3 4 5 6 7 8 9 10		
Home		BACK



12/04/2004

**Pat**

**Ron**



## Low tech visual scenes

Kristy Weissling, SLP



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### Context in therapy

Today's session

 1 2 3 4 5 6 7 8 9 10   
 Not good                      ok                      Very good

Pictures you used

 1 2 3 4 5 6 7 8 9 10   
 Not good                      ok                      Very good

### Context in therapy

Stop      Keep going      I'm thinking      Water

### Visual Scenes and traditional therapy

I want to eat at \_\_\_\_\_ Are we eating at \_\_\_\_\_?  
 Let's go to \_\_\_\_\_





### Navigation



### More Navigation



### Context Based Communication Page

Justin's Page

I have a son Justin he is 10 years old

  
 Learning to jet ski

  
 Building a ginger bread house

  
 Playing Basketball

  
 Playing with the dog

  
 Catching a fish

  
 Jumping in!

## Personal Centered Context



## Visual Scene Display Project AAC-RERC Sponsored by NIDRR, USDE <http://www.aac-rerc.com>

David Beukelman, Ph.D.  
Project Director  
University of Nebraska, Lincoln

<http://www.aac.unl.edu>



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