



In Greek mythology, Aeolus was king of the winds.

At left, the USS Aeolus (ARC-3) as she appeared in 1955



NOW HEAR THIS

Reunion 2004, October 28-31 Patriots Point, South Carolina

Integrated Undersea Surveillance System (IUSS)

Introduction: The USS Aeolus was a small part of the US effort to contain the Soviet threat in the Cold War. The following, an excerpt from the IUSS Alumni Association web site (<http://www.iusscaa.org>), provides a time line of historic events up to 1968.

The 50's and 60's witnessed the birth, early childhood development and growth of undersea surveillance; originally the Sound Surveillance System (SOSUS). With the 70's came technology upgrades both in shore and underwater systems; planning for new cable ships, super NAVFACs and the follow on to the Towed Array Sensor System (TASS), the Surveillance Towed Array Sensor System (SURTASS).

Here are some events of note: As a result of its experience during the recent hostilities the navy has announced its intention to exploit passive sonar in its Anti- Submarine Warfare (ASW) effort. The year is **1949**.

As a result of this renewed interest in underwater acoustic research the Navy established Project Hartwell under MIT leadership. It was named in honor of Dr. G.P. Hartwell of the Univ. Of Pennsylvania, Deputy Chairman of The Committee For Undersea Warfare. It was initiated to structure a long range program for submarine defense. The committee concluded that detection of low frequency sound was the answer to the snorkeling diesel submarine problem.

1950

The Hartwell Committee recommended approximately \$10 million of R&D funding per year to be applied to the development of an effective long range acoustic detection sensor system using bottomed arrays. The evolution of undersea surveillance had begun.

- 29 October: Western Electric and ONR reps meet to rough WECOs proposal into a contract. A letter contract was issued 13 November.

1951

- A 6-element test array is installed at Eleuthera and Ensign Joe Kelly is assigned as BUSHIPS Code 849 to oversee this high priority project; named Project Jezebel.
- Project Jezebel was Bell Labs effort and Project Michael was the Columbia University effort.

1952

CNO Directs BUSHIPS to procure six sets of LOFAR station components for deployment in the North Atlantic basin in a Top Secret letter.

- Classified name SOSUS is established.
- Unclassified name CAESAR established to cover installation and production.
- Number of stations planned is increased to nine.
- HMS Alert installs initial 40-element operational array off Eleuthera Bahamas (2-19 January) total cost for 50-day charter is \$56,400 (\$840/day plus fuel).
- Cable ships Neptune and Myer assigned to Project CAESAR: the humble beginnings of the "CAESAR Fleet" to later include: Thor, Aeolus, Mizar, Huddell, Zeus and a cameo appearance by USNS Waters.

1953

Part of Project Jezebel was the study of short range, high frequency, upward looking sets of bottomed, active sources located in a strait as a complement to SOSUS; this was known as Project Colossus.

1954

Ten additional CAESAR stations (3 Atlantic, 6 Pacific and 1 in Hawaii) are authorized.

- September - First NAVFAC, NAVFAC Ramey, Puerto Rico, commissioned followed by NAVFAC Grand Turk in October and San Salvador in December.

1955

NAVFACs established in Bermuda, Shelburne Nova Scotia, Nantucket RI, and Cape May NJ.

1956

NAVFACs Cape Hatteras NC, Antigua, and data Evaluation Centers in New York and Norfolk VA become operational.

1957

NAVFACs Eleuthera Bahamas and Barbados in the Atlantic, and San Nicholas Island in the Pacific are established

1958

Commander, Oceanographic System Atlantic established. Oceanographic units in New York, San Juan, Puerto Rico and Norfolk VA. disestablished.

- NAVFACs Point Sur, CA., Centerville Beach, CA., Pacific Beach, WA., Coos Head, OR. are established.

1958-1960

Project supports installation of Atlantic and Pacific Missile Impact Location System.

1959

NAVFAC Argentia, Newfoundland established

1960

Shallow water system (King) installed and terminated at Navfac Argentia: Ten 8-element arrays on two 40-pair cables: counter against Hudson Bay submarine patrols by Soviets

- First and only curved array terminated at Shelburne, Nova Scotia

1961

SOSUS tracks USS George Washington from continental US to United Kingdom

1962

NAVFAC Adak established

- NAVFAC Lewes DE established after Cape May destroyed by "Ash Wednesday/Good Friday" storm.
- 26 June, Cape Hatteras NC makes first SOSUS detection of a Soviet Diesel submarine
- 6 July, NAVFAC Barbados makes first detection of a Soviet Nuclear submarine as it crossed over the Greenland-Iceland-United Kingdom (GIUK) gap.
- 26 October, first positive correlation and sighting of a SOSUS contact (NAVFAC Grand Turks) and VP contact on a Soviet Foxtrot Class submarine during the Cuban Missile Crisis; designated Charlie-20.
- First major shore processing system upgrade installed at NAVFAC Lewes DE 9" grams (DSA) replace 4" grams; Roman Numeral time calibration marks remain

1963

First 2x20 array installed at Argentia

April, The USS Thresher sinks; SOSUS plays critical role in pinpointing location of incident

1964

Commander, Oceanographic System Pacific established

- Project CAESAR transferred from BUSHIPS to Industrial Manager, Potomac River Command; to Naval District Washington the following year.
- OP-95, Director ASW Programs established under VADM Charles B. Martell

1966

NAVFAC Keflavik Iceland established exactly one year after decision made to deploy SOSUS to the Norwegian Sea.

- Project transferred to Naval Electronics Systems Command, (CODE EPO-3) located at Main Navy (now the site of the Vietnam Veterans Memorial)
- First 3x16 array system terminated at Keflavik
-

1968

May, USS Scorpion lost SW of Azores; Soviet Golf SSB sinks North of Hawaii. SOSUS plays a key role in the location of these vessels.

Obituaries

Donald Gatliff

Donald Lee Gatliff, age 72, of Delight, AK died Saturday, February 21, 2004 at his home. He was born Feb. 8, 1932 in Verdon, Okla., to Fletcher and Nina King Gatliff. He was a retired Navy Senior Chief Boatswains Mate.

Gatliff is survived by his mother; his wife, Faydean Gatliff of Delight; three sons, James D. Gatliff and Lee R. Gatliff, both of Delight, and John D. Gatliff of Texarkana; two daughters, Mona Edwards of Tulsa, Okla., and Becky Baltz of Sherwood; a brother, Grant C. Gatliff of Arkadelphia; three sisters, Celesta Bean of Irving, Texas, Carolyn Lamkin of Stevens, and Sharon Culbertson of Blossom, Texas; 14 grandchildren; and two great-grandchildren.

E-Mail

The Aeolus Association sends e-mail to its members on a regular basis. Unfortunately, our e-mails are sometimes rejected by members' e-mail systems or most-often e-mail addresses change and we either are not notified or neglect to make the change.

Our e-mail is sent by mjarvis@nandc.com or mjarvis@ussaeolus.com. If you are using a spam blocker, please add these addresses to your approved file.

E-mail is a low cost way for our members to stay in contact with each other. If you did not receive this newsletter via e-mail and you have an e-mail address, please send it to us (mjarvis@nandc.com).

The following e-mail addresses will not accept mail from mjarvis@nandc.com.

chuckjoanne62@aol.com
cashcary1@aol.com

The following addresses are invalid.

jtuttle1945@yahoo.com
goeast@rcn.com
calex@epix.net
clerc-2@webtv.net
cl23an@otelco.net
atzmjr@earthlink.net
colombol@webtv.net
lazysr@cin.net
ddebolm@hotmail.com
tomandjackie@verizon.com
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Agenda for 2004 Reunion

Wednesday, October 27, 2004 - Early registration, Hospitality Suite open at 3:00 PM

Thursday, October 28, 2004 - Registration all day - Hospitality Suite

Noon - Kickoff luncheon and memorial service - USS Yorktown
Evening - Dinner - Red's on Shem Creek

Friday, October 29, 2004 - Hospitality Suite open all day

All day - Tours of Charleston area
Evening - Dinner - Charleston historic district or harbor boat

Saturday, October 30, 2004

All day - Harbor tours, fort Sumter National Monument
Evening - Association meeting and banquet - Holiday Inn

Sunday, October 31, 2004 - Hospitality Suite closes at noon.

Registration fee: \$125.00 per person includes three dinners, one lunch, and memorabilia.

**Michael Jarvis
USS Aeolus Association
28800 Mound Road
Warren, MI 48092**

**USS AEOLUS
REUNION
OCTOBER 28-31, 2004
Charleston, South Carolina**

REGISTRATION FEE IS \$125.00 PER PERSON.

[THIS INCLUDES MEETING ROOM CHARGES, ALL OVERHEAD, ONE LUNCHEON, THREE DINNERS, REFRESHMENTS FOR THE ENTIRE MEETING, AND MEETING MEMORABILIA.]

YES, WE'RE COMING!!

NAME:_____SHIRT SIZE_____

NAME:_____SHIRT SIZE_____

Mail this form with your check for \$125.00 per attendee made payable to the USS Aeolus Assn.

**Michael Jarvis
Secretary/Treasurer
USS Aeolus Association
28800 Mound Road
Warren, MI 48092**

2004 REUNION
HOLIDAY INN
PATRIOT'S POINT
CHARLESTON,
SOUTH CAROLINA
OCTOBER 28-31, 2004
ROOMS \$89.00 + Tax

Reservations

**1-800-290-4004 ask for Susie York ext. 110,
our group booking code is AEO**

or

reserve on line

www.himtpleasant.com

(Be sure to use our booking code: AEO)

PLEASE RESERVE EARLY

DUES

Annual membership dues for the USS Aeolus Association are \$10.

Please send your dues check to :

USS Aeolus Association
Michael Jarvis, Treasurer
28800 Mound Road
Warren, MI 48092

Be sure to include your full name, address, phone number, and your e-mail address if you have one.

WEB SITE

The USS Aeolus web site is now located at

www.ussaeolus.com.

Members can get a password for access to addresses of ship-mates by sending an e-mail to:

mjarvis@nandc.com

Men
of the
USS Aeolus ARC -3

We were a young and hearty crew
Who knew actually what to do
While laying miles and miles of cable,
Then our hands were strong and stable.
Around the US and her possessions
Amid cheers of loud elations
We layed it high and we layed it low
Everywhere that cable should go.

Faces tanned and wind in our hair
Strong as Aeolus, but not as fair.

We learned to catanary, the tension right.
Oh, we layed that cable day and night.
Out of commission on the bottom of the sea
That is where she is and will always be.
The men of the Aeolus have gone to the winds,
But with computers, 'phones, and reunions we meet again.

-by Chief Campbell and his mate, Loey



NOW HEAR THIS
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The USS Aeolus Association is a nonprofit organization dedicated to the preservation of the memory of the USS Aeolus (ARC-3) and its crew.

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