



# The Cable

Official Newsletter of the IUSS CAESAR Alumni Association

Volume 3 Number 1

Winter 1998

## STs Again Have The Watch

*by OTCM Jack Holdzkom, USN (Ret)*

Under a bright, sunny sky the participants were appropriately adorned with black ribbons for a "memorial funeral service" for the OT rating. CDR Eola Lewis SCOTT, USN, NOPF Dam Neck commanding officer, officiated at the 1 October ceremony held on facility grounds adjacent to the generator building. Her eulogy reviewed the history of the rating, from its birth on 1 September 1970 to its death on 30 September 1997 highlighting significant IUSS events and OTs' contributions to national defense.

Following her comments, members of the gathering shared personal anecdotal experiences, and contributed memorabilia that were placed in a time capsule. These items included OT rating badges, a listing of the original 900 OT plankowners who were converted from ST and ET, a history of IUSS during the OTs' watch, a Venus Unique #2 red pencil, "10"-point dividers, command ball caps from NAVFAC Keflavik and NOPF Ford Island, Sonar Data Recorder stylus and stylus tension gauge, a piece of 5111 sea cable, USH-20 magnetic tape, and a TDP track-ball.

Almost unnoticed during the proceedings, angry looking clouds rolled in. While the time capsule was being buried, two F/A-18 Hornets from NAS Oceana flew overhead at low altitude, as if in a prearranged salute. As the last few shovelfulls of earth were thrown in the grave, the clouds shed a few tears. Rest in peace, Ocean System Technician, Carry On, Sonar Technician!

## 19<sup>th</sup> Annual IUSS Camping Trip

Ed Haven has announced that plans are underway for the 19<sup>th</sup> Annual IUSS Camping Trip to be held at Cheatham Annex (near Williamsburg) Virginia on Memorial Day weekend. Interested members, family and friends are invited to contact Ed for details at home phone (757) 427-9826 or via e-mail at [virtas@erols.com](mailto:virtas@erols.com).

## NOTEWORTHY EVENTS

LCDR Buddy Kreibel assumes duties as CUS Current Ops Officer (2/97)

End of ATARF & RAINFORM RED reporting (4/30/97)

Termination of TDP usage (5/97)

CFIC, Halifax, N.S. Change of Command (7/97)  
(CDR Tummers relieved by CDR Mofford)

JMF St. Mawgan Change of Command

NOPF Dam Neck Change of Command (8/97)  
(CDR Larry Wilcher relieved by CDR Eola Scott)

CDR Larry Wilcher retires to Arkansas  
(You heard right, Arkansas)

Commander Undersea Surveillance Change of Command (8/97)  
(CAPT Wagner, USN relieved by CAPT Faber, USN)

CAPT Leslie Skowronek, USN relieved as Commanding Officer  
NROTC, Ohio State University (8/97)

CAPT Leslie Skowronek, USN assumed duties as Executive Assistant  
to RADM Riddell, USN Office of the Chief of Naval Operations  
(OP-091) (9/97)

RADM Peter Marshall, USN relieved as Commander 2<sup>nd</sup> Naval  
Construction Brigade (11/97)

RADM Peter Marshall, USN assumed duties as Commander, Pacific  
Division. Naval Facilities Engineering Command, Hawaii (11/97)

OT Rating officially dissolved (10/1/97) - OTs become STGs  
(Has a familiar ring doesn't it)

ISR Program Directorate, PD 18 (nee IUSS Program Directorate)  
Officially transferred to San Diego, California (9/97)

TRW, Inc. and Planning Systems, Inc open San Diego Offices in  
support of ISR Project Office (10/97)

LCDR Jim Donovan selected for CDR

LCDR Ken Gyure retired 26 Nov 97

LT Cyndi Utterback assumed duties as Operations Officer,  
NOPF Dam Neck (11/97)

LT Anne MacFarlane assumed duties as Current Ops Officer,  
NOPF Dam Neck (11/97)

Les Polk returned to CUS N2 (8/97)

STG1 Chris Schneider caught a 7lb, 12oz flounder at the Chesapeake  
Bay Bridge



# Prologue to CAESAR

## --- the prehistory of SOSUS/IUSS

*by Helen M. Walkinshaw*



**ELEUTHERA, Bahamas - June 1951**

The first group of naval support personnel gathers in temporary quarters at the future lab site. The sign on the Marine Corps field tent reads "LOFAR Station No. 2 Command Post"

### *ELEUTHERA, Bahamas - 1951*

By the end of the 1940s, naval experience in World War II and early progress in exploring undersea physics and oceanography brought about the recognition of low frequency acoustics as a means of passive detection of submarines. Experimental results on the deep sound channel were published in 1948, defining its role in the long range propagation of underwater sound. In January 1950, the National Research Council's Committee on Undersea Warfare recommended a study be made of these emerging new concepts. What came to be known as the Hartwell

Committee was formed. The report of the Committee included the specific recommendation of real-time narrowband analysis of radiated sounds and the exploitation of very low frequency signals. Meanwhile, adaptation of the Bell Labs visible speech analyzer to narrowband spectrum analysis had begun.

In October 1950 the Chief of Naval Research was directed by letter "to proceed with arrangements with Bell Telephone Laboratories to institute a program of research and development in the field of low frequency ..." The undersea research program became known as Project JEZEBEL; the development, primarily of



equipment, as Project CAESAR. So little was known or understood about the underwater environment that the work began with an intensive series of experiments at sea. Because of the simultaneous need for new hardware to test new ideas the dividing lines for JEZEBEL and CAESAR paralleled, often overlapped, and inextricably merged. During the early years portrayed in this history, few distinctions were drawn as to where the research stopped and development began.

Progress was rapid. In contrast to earlier ocean measurements of hours or a few days' duration, Project JEZEBEL, with its instruments cable-connected to shore, came into being capable of continuous undersea observation. Data collection expanded from days to months, years, and eventually to decades. The initial concepts of long-range, very low frequency sound and spectrum analysis proved equally durable. Implementation of the experimental deepwater research moved quickly, following British approval of the use of Eleuthera Island in the Bahamas as a shore site. By July 1951, nine months after the issuance of the Navy's letter in October 1950, an installation of barium titanate hydrophones designed by Bell Labs went on line recording the first measurements of the infrasonic sea noise spectrum. The watch in the sea had begun with the first deep ocean horizontal linear hydrophone array.

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#### *SANDY HOOK - 1951*

As deepwater research plans took form at Eleuthera, the first seaside laboratory was set up at Sandy Hook. It was here, conveniently based close to Murray Hill and Whippany, that primal system concepts and archetype hardware were first exposed to salt water.

In fair weather, the very shallow waters were a comparatively benign practice zone in which to develop installation techniques and to carry out in situ tests of the integrity of prototype wetware. Several early combinations of sensor arrays were tried, including primitive steering delays. An historic collection of ship signatures was made of foreign vessels moving through Lower New York Bay. It was at Sandy Hook in October 1951 that the first demonstration of passive detection of shipping and sea noise took place.

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#### *BERMUDA - 1952*

The field laboratory in Bermuda shared a common ocean area with Eleuthera, making it possible to coordinate long-range experiments at both places. The Naval Operating Base also ensured local support for ship operations, making possible a further diversity of activities. In those early years engineers and scientists from the Naval Underwater Sound Lab (now NUSC), Columbia University's Hudson Lab, Woods Hole, Lamont Doherty's Geophysical Field Station, and Bell Labs were all present on the island and cooperatively engaged in related work. After expansion of the NUSC experimental laboratory in the 1960s to accommodate Projects ARTEMIS and TRIDENT, Bell Labs closed its original buildings and shared the new facility on Tudor Hill. Throughout its varied history the Bermuda laboratory, more than any of the other experimental sites, retained its identification with exploratory research: microspectrum processing; first bottom-moored vertical array; vertical directivity of sea noise; VLF subbottom effects; first rigid array; dipole response array sensors; axis-depth hydrophone pair catenary suspension; explosive echo ranging; broadband acoustic sources; source depth determination; precision beam pattern resolution; cable-induced hydrophone directivity; marine biological noises; high-powered mobile source (MISSION CAPISTRANO T-AG 162); and ocean basin reverberation.

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#### *NANTUCKET - 1954*

In September of 1954, the first of several underwater installations were in place off Nantucket Island. Nantucket was the major shallow water experimental site on the continental shelf and complemented the deepwater field research laboratories on Eleuthera and Bermuda. Measurements made here, near the Atlantic sea lanes, confirmed the role of shipping in determining ambient sea noise levels. Repeated experiments intensively explored downslope sound propagation through the physical transition from shallow to deep water.

Like Sandy Hook, Nantucket was a test site for prototype wetware. Novel small array designs were tried, some rigid, both to ease installation and to preserve spacing integrity of new shaping and taper configurations. Outlier hydrophones were introduced and sub-array and inter-array correlations were investigated.

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## GULF OF MAINE - 1956

For about three years, the US Coast Guard Lifeboat Station at Fletcher's Neck, Biddeford Pool, Maine, was the focus of field experiments in an acoustic environment different from the sedimented, open coastal waters off Nantucket. In June of 1956 a pair of hydrophones spaced 500 feet apart was installed on the rocky bottom of the Bay at 20 fathoms and vertical displacement geophones were added in October of 1957. Propagation tests confirmed that transmission loss was high. The acoustic isolation due to shoal water and rough bottom resulted in a wholly weather-dominated ambient noise spectrum, its low level determined by the condition of the surface within a small fraction of a mile radius about the site. Comparisons between a vertical displacement geophone and a hydrophone indicated the major sources of seismic ambient noise were observed at the water layer. Signal arrivals from charges detonated in the water column were dominated by a groundwave (headwave) traveling along the sea bed interface.

Despite its brief existence, the Gulf of Maine made two contributions to ocean acoustics: early study of seismic signal reception, and quite possibly the quietest sea noise levels yet recorded.

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## UNST, Shetland - 1955

The first acoustic survey of the Norwegian and Greenland Seas was underway in the summer of 1955 and one of its ships, the REHOBOTH, was detached to provide test services for a new British undersea installation at the Admiralty Experimental Station, UNST. Shortly thereafter, Bell Laboratories, supported by the Office of Naval Research, was invited to use the shore laboratory. A program of active and novel work began in collaboration with U.K. scientists which was to continue through the late 1960s and eventually included liaison with the Norwegian Defense Research Establishment.

The strategic importance of the Norwegian Sea was equaled by its physical diversity. Messy geomorphology and water masses of grossly different type exist over a comparatively small area in this sub-arctic environment, so that the Norwegian Sea served as a small scale model of the larger oceans. Long range effects on sound transmission of a rising sound channel axis, for example, were first verified at this location. Sophisticated computer models of propagation were validated by field testing, and prediction of site-specific acoustic performance began.

Wetware at UNST included two research arrays, isolated single hydrophones, and high-powered transducers. This saw the first use of:

- acoustic modeling for predicting environmental effects
- pressure-compensated projector as a towable deep source
- aircraft-dropped explosive charges for long range, rapid acoustic surveys
- calibration of explosive source levels and time-bandwidth matched processing

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## PARKA I and II - 1968-69

### Epilog

As 1970 approached, ocean physics had grown to a major field in applied science. Fundamental questions had been successfully addressed and models developed, mostly through an aggressive pursuit of experimental research at sea. The breakthrough years were over. There was a brief pause for consolidation of accrued knowledge and an era of mesoscale study of the seas began. The PARKA experiments, Pacific Acoustic Research - Kaneohe to Alaska, were prototypes of the expanded geographic and organizational scale of today's global interdisciplinary projects. About fourteen university, research institutions, and government laboratories were involved in addition to the Navy and Coast Guard, with a Chief Scientist from Bell Laboratories as coordinator. The test area of more than 2,500,000 square miles extended from Hawaii to the Alaskan archipelago and west coast of the continental United States.

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*HELEN WALKINSHAW retired from Bell Laboratories in 1990. She achieved Chief Petty Officer status while on active duty 1945-1948 while serving tours at NAVOCEANO, Suitland, Maryland and on the staff of the Secretary of the Navy, Washington, D.C. She returned to school and joined Bell Telephone Laboratories in 1952. Helen was associated with CAESAR, then SOSUS, now IUSS R&D until 1990. She continues to be associated with the Acoustics community giving papers and attending the International Congress of Acoustics. She has been instrumental in supporting the Alumni Assn. and the catalyst behind many members of the BTL community joining the Assn. She is active in documenting the history of SOSUS.*



# People News

It has been a while. There is a lot of news to catch you up on. I appreciate the phone calls and the opportunity to talk to many of you. Just a note of interest we have been around long enough that we sent renewal notices to many of our first members; we have had a 99% renewal response. For that I thank you. I never quite know which is the best way to do this; relay sad news first or at the end. This past year we lost some long time members of our community. **CAPT Trish Spishock** passed away this past year, as did **Leo Treitel**; Leo had over 50 years association with our work from the Washington level project office starting when Joe Kelly was a LT. More recently, this past December we lost **Bill Tilley** who finally lost his brave and long fight with cancer. They will be sorely missed. Their families can take some comfort in knowing they served their country well and contributed to the success of undersea surveillance.

**Dr. BOB BAECHLE** retired from AT&T (Bell Labs) is in Holmdel, N.J. Bob was in on the planning and design of new systems from the mid-60's to the late 80's for Bell in Whippany. Bob is teaching part time, sailing, doing some consulting (did you say retired?) **OTCM (retired) DAVE BAILEY** is Aberdeen, Washington. Dave retired in 1987. **HUGH BALCH** is retired from AT&T (Bell Labs) and resides in Morris Plains, N.J. Hugh was at Bell Labs from 1953 to 1990 working on the R&D for signal processing, exploratory development and special projects. He says his hobby of amateur radio is keeping him busy as is his grandson. Have had some enlightening phone conversations with **ED BERNARD**, retired AT&T resident engineer. Ed was a resident at San Sal, Bermuda, Pt. Sur, San Nick, COSP (Treasure Island), Eleuthera, Lewes, Barbados, Cape Hatteras, Barbers Pt., Grand Turk, Shelburne, Keflavik, Pac Beach, Dam Neck and some special projects between 1955 and 1990. Can anyone top this for number of NavFacs/sites assignments? **OTMC (retired) RICK BOLIN** is in Urbana, Illinois. Rick retired in 1986. He received his BS degree in Finance and Accounting from the Univ of Illinois in 1989 and is currently the corporate financial analyst for Cannon Cochran Management Services, Inc. Obviously the fishing pole and golf clubs have been gathering dust during Rick's retirement. **ASH CARTER** was the Bell Labs Department Head for SOSUS systems engineering and was one of the architects for the "System". Ash was with the Labs from 1953 to 1988. He is currently an Adjunct Professor of Physics at Drew University in Madison, N.J. Ash has provided an early history of SOSUS which we will feature in the next newsletter (no you won't have to wait as long for the next one!) **IVAN CHASALOW** retired from Bell Labs in 1996. Ivan was another pioneer in our community at the Labs from 1956 to 1996; save a 3-year hiatus with American Bell International in Iran ('76-'79). **KENT CHRISTENSEN** retired from Bell Labs in 1988 and he and his wife reside in Sedona, Arizona. Seems like only yesterday I met Kent in Lewes, Delaware where Bell installed the first computer

assisted classification system; AKA Project COLD (Classification of Lofar Data) in 1964. Kent reports they are doing the usual retiree stuff of hiking, mountain climbing, volunteer work, cooking and music.

**SCOTT CLAUSEN** is in Edgewood, Washington having married in 1991 and retired in 1994. Since retiring he has been teaching computer skills to schoolteachers and is now a system administrator for a private company. Scott intends to return to school full time in Feb '98 (like about now). **OTACS (retired) DENNIS CONRAD** and wife Kara reside on 7+ acres in Suffolk, VA. Dennis works for Lockheed Martin in logistics support for the AN/SQQ-89(V) Surface Ship ASW Suite along with Ed Haney and Jean Robinson. He continues to pursue his passion of restoring Studebaker cars (some of us remember them) and hunting and fishing. It was good to hear from **CWO4 (retired) BOB DUFFORD**. I lost track of Bob after we were stationed together in Brawdy. Bob retired in 1985. He and his wife Maureen remained in San Diego (where I am as I write this) until April '96 when they moved to their current home in Leesburg, Florida. **CDR (retired) JACK FELTER** is in Falls Church, Virginia. Jack retired from the Navy in 1976 and worked at TRW for the next 16 years on the Nuclear Waste Program until his retirement in 1992. Jack's wife Priscilla has a unique business specializing in reproduction of porcelain dolls. Her business name is "Priscilla's Porcelain Dolls" in Falls Church (703) 827-5944. **OTCM (retired) JACK FESSLER** is in Clintonville, Wisconsin. He can be reached via e-mail at [mstrjax@w1.frontiercomm.net](mailto:mstrjax@w1.frontiercomm.net). **JOHN FOX** (Adak '66-'68)/COSP San Francisco '68-'69) is a retired financial administrator from the State University of N.Y. at Buffalo and resides in Brewster, N.Y.

**FRANK GAMBINO**, a true pioneer in the System recently retired from Govt. service and resides in Germantown, MD. Frank started in 1958 at the New York Naval Shipyard, Data Processing Unit; AKA the "Crime Lab". Most of the old timers will remember the DPU pubs, like DPU-18. Frank has had 40 years of service to undersea surveillance. **CDR JoANNE GILCHRIST** after being relieved as CO, NOPF Dam Neck is now in Pensacola, Florida and is the CNET Leadership Continuum Program Manager. **"EC" GRUBB** continues to enjoy retirement in Springdale, Arkansas. **CAPT (USNR-retired) JOE GUILFOYLE** and his new wife Kris are living in Virginia Beach (actually closer to Pungo, Pungo is just past the end-of-the-earth). Joe continues as the Senior Intelligence Officer for the Atlantic Intelligence Command. His son Joe is behind the scenes of the new Bob Newhart show on TV and if you look real close for a millisecond you will see his name flash in the credits at the end of the show. His daughter Ginny is a student at the University of Georgia. **LCDR KEN GYURE** and wife Karla are in Chesapeake, VA. Ken retired in November 1997. **ROGER HARRIS**, who I think of as the Senior Govt.



System Scientist continues to make his mark on emerging IUSS systems. Roger is still in San Diego and associated with what we all knew as NRaD. **OTAC(AW) (retired-'94) NANCY HAWLEY** and **OTMCS (retired-'87) BOB HAWLEY** are in Clintonville, Wisconsin; must be a great place to retire. Nancy graduated from Fox Valley Technical College and is now working as a legal secretary. Bob is an asst. maintenance man for the church and is currently building a hunting cabin on their 40 acres in northern Wisconsin; sounds like a good plan to me. **LT (retired-'92) ROBIN HOOD** and wife Brenda first moved to Kentucky after retirement but now live reside in Columbia, MD where Robin continues his association with the System in his job at Johns Hopkins University/Applied Physics Lab. Glad Robin is back, we need to keep talents like his in the System. Both daughters are married to military men and they have two grandsons; maybe three by now.

How could I have neglected to include CAPT "SCRATCH" in the last newsletter? What is worse he even gave me 4-years dues up front. **CAPT PAUL L. HRYSKANICH** (now you know the full real name of "Scratch") and wife Ginger continue to reside in Virginia Beach since his retirement in 1984. If anyone needs expertise on bridal/women's fashion matters Ginger is the person to contact. She works part time in this capacity for Hecht's Co. Scratch is still be best mechanic east of the Mississippi; this is self-proclaimed but may be true. When Scratch was in the System any old air conditioner, motor, car, etc. wasn't safe. He had every warehouse on Ford Island full. Indications are he now has the only residential junkyard in Virginia Beach. **RADM JACKSON** may dispute Scratch's claim to the best mechanic title. Admiral Jackson has his own hydraulic lift to work on vintage VW's; that is the sign of a serious mechanic. **CDR (retired) TOM HUFFMAN** is in Alexandria, VA. Tom was Undersea Surveillance Advanced Development officer at NAVELEX (pre SPAWAR) in 1983-1984. His e-mail address is [tom1966@worldnet.att.net](mailto:tom1966@worldnet.att.net). **RAMON JACKSON** is retiring in January 1998 and resides in Fairfax, VA. Ramon is an oceanographer/bathymetrist who was at the NAVOCEANO Officer from 1966 to 1989 working on Project CAESAR surveys. He is now with the National Imaging and Mapping Agency (old DMA). He was instrumental in creating a comprehensive digital inventory of surveys and compiled a history of the project and its offshoots (MILS, Artemis). Ramon said he has access to some of the old charts showing the evolution of chart technology and is looking for a safe haven to preserve them. I put him in touch with Ralph Enos at the Undersea Museum in Keyport, Washington. Anyone else having suggestions or interest can contact him via e-mail at [jacksonr@dc.net](mailto:jacksonr@dc.net).

**GEORGE KELLER** is in Virginia Beach, VA. George was referred by **KEN WILLETT**; this is how the Assn. continues to grow. **MARY ANN KOKAI** was instrumental in the SOSUS related R&D at AT&T(BL) /Lucent Technologies from 1968 to 1996 and resides in Hopatcong, N.J. The N.J. addresses remind me of my college days in New Brunswick. **CDR SUZY KRUPPA**, USN is on staff of

Commander, Space and Naval Warfare Command the IUSS/ISR Program Directorate (PD18) and is heading the Inshore Undersea Warfare effort. **OTCM (retired-'93) CHUCK LOHMANN** is in Pensacola, Florida and can be reached on e-mail at [sosus@worldnet.att.net](mailto:sosus@worldnet.att.net). **CHUCK LOWERY** and wife Jean are in Madison, CT. Chuck was the first RECWO and Asst. Current Ops Officer at NavFac Brawdy ('74-'76). His wife Jean, a PhD, is a media specialist with the City of New Haven. I have always admired individuals with the talent and drive to earn their doctorate degree. Chuck is a contractor with ComSubRon Twelve and continues to be associated with the System. **JOHN LYNCH** and his wife of 45 years, Juanita, reside in Boonton Township, N.J. John retired from AT&T (Bell Labs) in 1989 after 30 years of service. John started in sonobuoys, then transitioned to ocean surveillance. He was the responsible design engineer for the SD-C system; Dept Head and project engineer for the ULSS (underwater lightwave system) the prototype for FDS and finally worked on towed array systems. All six children are married, they have eight grandchildren, a second home on the water in North Carolina with two boats. One being a 34½-ft Tanzer sailboat.

**OTCM TONY MARTUCCI** and **OTMC DREMA PARSONS** are in Oak Harbor, Washington. Drema was scheduled to be commissioned as an Elect Tech last September and has orders to the USS COOK as EMO. I assume that happened but don't have her commissioned rank. Tony continues as CMC, NOPF Whidbey until July 1998. Their son Manny graduated from the University of Puget Sound and has entered their Master's degree program to obtain his teacher's certification. **OTCM (retired-'92) BARRY MILLARD** and wife **WENDI (DC1/USN)** are in Norfolk. They have two sons: Barry Jr. and Brandon. **JERRY MOONS** retired in 1986 and resides in Kailua, Hawaii. He is a vice president at ORINCON Corporation in Hawaii. **LT ANNE MacFARLANE** relieved LT Cynthia Utterback as Current Operations Officer NOPF Dam Neck. **OTA1 (retired-'97) BOB McBURNEY** is in Billings, MO. His intent is to find a position in the food service industry and pursue his hobby of photography. **OTACS (retired) NICK McCONNELL** is in Spotsylvania, VA. Nick is an analyst at ONI and was referred to the Assn. by **FRED SCHWANZ**. **JACK HOLDZKOM** kept after **JERRY McDONALD** and Jerry is now a member. Jerry and his wife, Gerry, reside in Virginia Beach and have two children, Jason and Jenna. Jerry works for Planning Systems, Inc. and is the Technical Advisor to COMUNDERSEASURV. **OTCM (retired-'84) DON O'DELL** and wife Inger are living in Gallatin Gateway, Montana. Inger retired in 1990 as a DTCS. They are avid RV'ers spending about six months a year on the road and the other six at their cabin in the mountains near Yellowstone. This year they are wintering in Key West at Sigsbee RV Park.

**CDR DIANE OLIVER, USN (Ret)** is in San Diego. After trying her hand at administration in Academia she is now working for TRW and supporting PD 18. **LT CHRISTINE OSBORN** is transferring from NOPF Dam Neck to the U.S. Space Command in Colorado Springs. Christine was



honored as the OWO of the year last year and presented with an award sponsored by TRW, Inc. Her e-mail address is [oreosierra@aol.com](mailto:oreosierra@aol.com). Make sure you give us your new address once you are settled! **CAPT (retired) BAKER PEEBLES** is farming, or least is living on a farm, in Hermitage, Arkansas. He has three grandchildren. Baker was Commanding Officer of three NavFacs: San Sal (68-69), Barbados (69-71) and Argentia (78-80). **WAYNE RENNE'** and wife Virginia are in Cleveland, Tenn. They have 5 grandchildren. Wayne retired in 1988 and his last duty assignment was as maintenance chief and Asst. OIC at CNFJ. Ex-OTs **DON and LISA REULE** and their daughter Kristi are in Beltsville, MD. Their last duty station was NOPF Whidbey Island from 1992 to 1995. Don is an analyst with ONI and Lisa is with JHU/APL. **MAX RICHARDSON** retired from Bell Labs in 1978. He and his wife reside in Summit, N.J. Max assists his wife in running an antique business specializing in sewing items and hand tools. Max, you need to tell us more details. **BILL RIORDAN** retired from Bell Labs in 1996 after 20 years of service to the community. I first met Bill at CNFJ in the very early 70's. **PAUL RITGER**, Bell Labs 1978 to 1995, worked on SOSUS projects including COMPASS, SURTASS/COMPASS, AADS, ASIPS and a few special projects. Paul is widowed, has 4 children and 5 grandchildren and resides in Mendham, N.J.

**PHIL ROST** and wife Eleanor reside in Great Falls, VA. (Chuck Robb and Ollie North neighborhood). Phil is currently working at Integrated Performance Decisions in the field of ASW C4I. Previous positions at SAIC, MITRE, ONR and Bell Labs attest to his long association with the System in the R&D arena. Spare time is spent on his boat the SEA DEUCE and pampering their cats Boris & Natasha. **MIKE ROYSE** is a plankowner for NavFac Midway Island and, as an RM2, was the first Radioman onboard there; Oct. '68 - Sept. '70. Mike is employed at Cinergy Corporation and with his wife, Donna and son Eric and daughters Michelle and Stefanie live in Terre Haute, Indiana. Mike is active in locating former NavFac Midway personnel. He can be contacted at e-mail address [mroyse@cinergy.com](mailto:mroyse@cinergy.com). OT1, now **STG1 CHRIS SCHNEIDER** is the SOWC, training LPO and QA LPO at NOPF Dam neck. Indications are that he will be transferring to the R/V CORY CHOUEST supporting the LFA Program. Remember Chris the pointy-end is the bow, at least that is what they have told me. Ex-OTs **MIKE and TERRI SPITCAUFISKY** are in Sykesville, MD. Mike is a Lab Manager at Johns Hopkin University/ Applied Physics Lab. They have two children Joshua, age 6 and Robert, age 4. Received another friendly and informative letter from **CAPT BERNIE STORR**, of the Bahamian Field Service. Bernie would love to hear from any former NavFac San Salites. He writes that he heard recently from CDR Elton Hines, a former CO. Believe it or not San Sal is a great vacation spot. If we all were to take time to remember and filter out the isolated duty syndrome, San Sal had some of the most beautiful white beaches and various shades of blue water. **JOHN STUART** retired from LUCENT Technologies in 1996. John was part of the Bell Labs

development group for digital signal processing. He is now the Director of the Greensboro, N.C. Business Center and naturally resides in Greensboro, N.C.

**LT CYNDI UTTERBACK** is the Ops Officer at NOPF Dam Neck. She and her husband Joe and three children reside in Virginia Beach. Joe served in IUSS 1978-1993. **TONY WALSTROM**, Fleet Sonar School 1966, NavFac Centerville, 1966-1969 is in Baxter, Iowa and has worked for U.S. West Communications Corporation for the last 28 years. **ENSIGN MICHELLE WEDDLE**, husband **JEFF**, and daughter Megan reside in Virginia Beach. Michelle was an OTA, selected for MECF in 1995, attended Norfolk State University and received a degree in Nursing. She was commissioned in the Nurse Corp in July 1997. Way to go, congratulations on a great personal accomplishment. She is currently stationed at Portsmouth Naval Hospital. Jeff left the Navy in 1994 under the SSB program and is now being kept busy being self employed running three businesses. **TONY WHALEN**, Bell Labs 1966-1995 is in Rockaway, N.J. Tony was a Supervisor at the Lab and an architect of SOSUS signal processing (IPS, COMPASS, autodetect, etc.) He co-authored with R. McDonough of JHU/APL a Second Edition of "Detection of Signals in Noise" published by Academic Press. He does some consulting for Visidyne, Inc. **OTAC (retired-'90) DICK WHETSTONE** and wife Debbie are in Virginia Beach. After retirement Dick worked for the Christian Broadcasting Network as their Database administrator for about 4 years and is now employed by the City of Virginia Beach as Information Systems Administrator for the Office of the Commonwealth's Attorney. Dick is also an associate pastor for the Church of the Redeemer, South. **WYNDEE WHITAKER**, the key to the ever efficient NOPF Dam Neck Front Office continues as Executive Admin Asst. to CO, NOPF Dam Neck. Wyndee has been the good right arm of all NOPF Dam Neck CO's. It has been my experience that if it relates to NOPF Dam Neck and you need help, you call Wyndee and she will point you in the right direction.

**CDR MARTHA WILLIS, USNR**, husband Joe and son Zachary reside in Atlanta, Georgia. Martha is employed by Hewlett Packard. She most recently served on active duty at SPAWAR (Space and Naval Warfare Command). **BOB WORLEY**, retired Bell Labs, 1954 to 1986. Bob was associated with JEZEBEL, SOSUS, ARTEMIS & SASS. He currently lives in Mendham, N.J. He has six grandchildren and enjoys relaxing with golf(?), bowling and travel. Golf is relaxing? **BOB ZAK** and wife Ann are in Edgcomb, Maine. Bob retired from AT&T in 1995. He was resident engineer in Lewes, '63-'66, where he and I first crossed paths, the resident engineer in Barbados, '66-'68 where I rented his house after he left and then he was at Ford Island, '76-'88. Ann is selling real estate in Brunswick, Maine. Bob is a boat owner and a snow-shoveler extraordinaire. He spends time going to Ann's work related events, like conventions. Next one is Jan '98 in San Diego (they are probably here now as am I, but paths will most likely not cross).



## Search for Former NAVFAC Midway Island Personnel Underway!



A search is currently underway by Mike Royse and Darel Martin to locate former NavFac Midway Island personnel.

NavFac Midway was commissioned 29 years ago on January 13<sup>th</sup>. Mike reported aboard in October 1968 and was the first radioman at the facility. Darel reported aboard in November 1978 as an OTC.

In April of this year, after reading about the Navy turning Midway Island over to the Fish and Wildlife Service, Mike began looking for information about what was to happen to the island. His search led him to the Midway Island Homepage on the Internet ([www.mtdaily.com/midway](http://www.mtdaily.com/midway)). He found that there was quite a large list of former Midway Island residents on the homepage. He also found that a former Midway Island resident in Montana was maintaining an even larger list of former island residents. Apparently the search for former Midway Island residents had been going on for some seven years.

After obtaining a copy of both lists he started his search in earnest. Mike's first contact was the first commanding officer of NavFac Midway, Robert Prendergast. Bob gave him the phone number of the first OinC, Dave Barr, and a few weeks later Mike Martin, Darel jumped right in and began to help in the search. To date Mike and Darel have managed to contact 28 former NavFac Midway personnel. People have been located on both coasts of the U.S., and points in between. One person was located in Nova Scotia and another in Japan.

If you are a former NavFac Midway person or know someone who is, please contact Mike or Darel via the Internet, by snail mail, or by telephone.

Mike Royse. email: [mroyse@cinergy.com](mailto:mroyse@cinergy.com) or 7733 North 40<sup>th</sup> St., Terre Haute, IN 47805, or 812-466-6102.

Darel Martin. email: [ddmartin@whidbey.net](mailto:ddmartin@whidbey.net) or 327 NW Fairhaven Drive, Oak Harbor, WA 98277, or 360-675-6602.

The search is continuing for their former shipmates and they would appreciate any help they can get in their endeavor.

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## Washington D.C.'s #1 Ale

Jerry Russell's Potomac River Brewing Company's RAPPAHANNOCK RED ALE has been voted the best in the Washington D.C. area by Washingtonian Magazine.



## IN MEMORIUM

### CAPT PATRICIA M. SPISHOCK, USN

16 May 1948 - 28 January 1997

submitted by Janet Dwire and CAPT Jane Renninger, USN (Ret)

CAPT Trish Spishock, Commanding Officer of Navy Personnel Research and Development Center (NPRDC), San Diego, died 28 January 1997 at her home in San Diego after a year-long battle with ovarian cancer. A native of East Brunswick, NJ, Trish graduated from Douglass College of Rutgers University. Her second tour of duty was at Naval Facility Bermuda where she was an Oceanographic System Watch Officer, later Administrative Officer. In 1976, she was transferred to Naval Ocean Systems Center (now NCCOSC) San Diego as a staff officer in the SOSUS Phase II System Validation Model (SVM) Detachment impressing everyone with her integrity, professionalism, and ability to get the motley crew of contractors doing SVM training at the NAVFACs to watch on time and in condition to teach!

CAPT Spishock was the last Commanding Officer of Recruit Training Command (RTC) San Diego, serving until its disestablishment in March 1994. She appreciated the historic and nostalgic nature of this assignment as evidenced in her comments in the *NAVY TIMES* cover story on the closing of RTC San Diego. CAPT Spishock returned to NPRDC as Commanding Officer in October 1994, a tour that earned her the full devotion of her command as well as a second award of the Legion of Merit.

Funeral services were held 5 February 1997 at Old Post Chapel, Fort Myer, VA, with an impressive assemblage of Navy and civilian colleagues, family, and friends in attendance. VADM Patricia Tracey, Chief of Naval Education and Training, delivered the eulogy. CAPT Spishock was taken to the Arlington National Cemetery burial site by horse-drawn caisson accompanied by the Navy Honor Guard. She was laid to rest with full military honors as the sun broke through and the band played *America*.

NPRDC sponsored a memorial service for CAPT Spishock in San Diego 19 February 1997. Highlights were the eulogy given by CAPT Jane Renninger, USN (Ret.), now with TRW, and musical tributes offered by the Pacific Beach Middle School Choir. NPRDC is a Partner-in-Education with PBMS, a relationship Trish was especially committed to strengthening. This service was a beautiful tribute from the NPRDC/NCCOSC/San Diego community to a cherished commanding officer, colleague, and friend.

Trish is survived by her mother, Geneva Ruth Spishock of East Brunswick (5 Greenwood Ct. E.B. NJ 08816), two brothers and two sisters, and their families. She also leaves many friends and co-workers to whom she made a difference during her 23-year Navy career by her exemplary leadership, steady encouragement, enduring friendship, and simple caring. Those of us who traveled with her during the heyday of the SVM Training Team will always remember and be grateful for the adventures she instigated: from hunting for opals on the beach north of Centerville Beach to darts with the local farmers, pony trekking, and a "forced march" to all castles within a day's drive in Wales ... we never sat around on a day off! Trish always embraced the opportunity to travel and meet people; we are saddened that her chances to continue to do so are over. We will continue to be inspired and inspired by our memories.



## **IN MEMORIUM**

### **OTACS WILLIAM E. TILLEY III, USN (Ret)**

**Submitted by Ed Haney**

William Edward Tilley III beloved father of William E. Tilley IV, Charles D. Tilley and Nora C. Francis; eternal husband of Norah C. Tilley; grandfather of Wesley W. Francis, Deanna B. Tilley and William E. Tilley V; and son of Emily E. Tilley died at his Virginia Beach home on December 16, 1997 from cancer- related causes. His son William is married to Ann Lancaster, Charles married Tanya Orsargos; and his daughter married Wesley B. Francis. Bill spent his whole life working to make other people's lives happier and trying to make America a safer place to raise a family. He spent 28 years in the U.S. Navy as an Oceanographic Technician and retired as a Senior Chief Petty Officer in 1984. He then went to work as a government contractor. His hobbies were his family and friend's happiness and well being.

A funeral service was conducted on 30 December 1997 at the Fort Myer Chapel, Arlington, Virginia. Burial with full military honors followed at Arlington National Cemetery.

We are grateful God created such a wonderful man and him to us. He worked hard, suffered a long time with his illness and we pray that now God has granted him the peace he deserved and worked for.