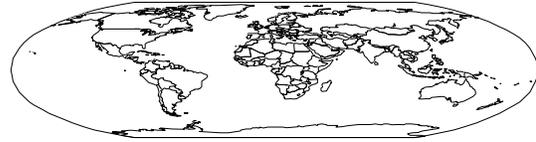


# The Cable

Official Newsletter of the IUSS CAESAR Alumni Association

**IUSS ● CAESAR**



**Alumni Association**

Volume 4 Number 1

TURN-OF-THE CENTURY 2000

## ***DIRECTOR'S CORNER***

*Ed Dalrymple*

It is hard to believe we are entering into our sixth year! I've not heard from many of you since you first joined. Please feel free to update us on yourself and anything else you care to. We have realized a slow and steady growth until we are now well over 300 members representing the myriad of specialties and talents that went into surveying, mapping, designing, producing, deploying and operating of the "System". It appears our little Alumni Assn has become a focal point providing continuity between the past and the present. I believe that we are the only organization that has brought all the different and varied players of our community together: military (officer & enlisted), civilian (Govt & industry), sea operations/surveys, cable/array installations, underwater/shore system design engineers, cable production, ship ops, communications, fleet operators, intell specialists, acquisition specialists, administrative and logisticians, Facilities management, acousticians, et al. Hopefully we will continue to provide a useful forum and vehicle to facilitate communication and growth for our community.

Unfortunately, as you will note, we have a number of memorials to members and they vary in depth. The reason for this is that we try to create a fitting tribute to any deceased member based on the amount of information available to us; thus, the only reason some tributes are greater in length than others.

Also, we try to ensure everyone is accounted for in the **People News** section in at least one edition. If you have not been, it is strictly an oversight so please make me aware of it. We continue to have a number of members battling significant illness themselves or in their families. Please remember them in a manner of your choosing. Until next time. EKD

## ***EVENTS of NOTE***

**1999**

**February**

CDR Larry D. Wilcher, USN received the Capt Joseph P. Kelly Award

CDR Tonya Concannon, USN (ex-CO NOPF Whidbey Island) and  
CDR Kim M. Drury, USN (ex-CUS N3) selected for Captain, USN

**April**

CAPT Gerry Nifontoff, USN retirement ceremony held in San Diego, California

**May**

LCDR Buddy Kriebel, USN retired in ceremonies at Dam Neck

OTMC Tom Calder, USN (Ret) passed away

*continued on next page*

## ***EVENTS of NOTE (cont)***

Annual CUS Memorial Day Camping Trip at  
Cheatham Annex, Virginia

### **June**

CDR Kris Sims Miracle, USN retired in ceremonies  
at Dam Neck

### **July**

LCDR Donald "Cliff" Clifton, USN (Ret) passed  
away

### **August**

CDR Jim Donovan, USN assumed Command of  
NOPF Dam Neck

CAPT Neil Rondorf, USN relieved CAPT Gerald  
Faber, USN as Commander Undersea Surveillance

### **September**

LCDR Chuck Gagnon transferred to USS JOHN F.  
KENNEDY

IUSS 45<sup>th</sup> Anniversary Celebration held in Norfolk,  
Virginia

### **October**

LT Jerry Carr, USN passed away

## **2000**

### **March**

Mr. Ernest Castillo III received CAPT Joseph P.  
Kelly, USN Award

Mr. Douglas A. Lyle (WECO/AT&T) passed away

CWO3 Jerry Moons, USN (Ret) passed away

### **May**

26-28 May - CUS Annual Memorial Day Camping  
Trip @ Cheatham Annex, VA

## ***CDR JIM BRADY'S LETTER TO KEFLAVIK CO***

*CDR Jim Brady's, USN (Ret) letter to LCDR Jim Donovan,  
Commanding Officer NavFac Keflavik dated 23 November 1996*

Dear Captain Donovan,

My wife, Sarah, and I are in receipt of your disestablishment invitation. Our reaction was first, one of shock and dismay fading to a mix of pride and sadness. The latter feelings are due to the tremendous accomplishments and contributions made over the years by the officers and men of NAVFACKEF and the realization that will be no more. Borrowing from the words of the late Winston Churchill, "Never have so few done so much for so many!" Kef has stood in the front line of strategic warning, tactical ASW support and technical intelligence collection. The organization has been recognized far and wide with multiple Presidential and Navy Unit Citations, Command E's, the CINCLANTFLT Golden Anchor for retention excellence and personal BZ's for operational successes from the likes of CINCLANTFLT, COMSUBLANT, COMOCEANSYSLANT, and CO's of VP-10, VP-11, VP-26, VP-49, et al.

The distinguished visitors list reads like a who's who: Prime Minister of Iceland, Secretary of the Navy, Chairman of the JCS, and CNO to mention a few. I recall vividly the visit of Admiral Ronald Hays, then VCNO in 1984. When I asked Admiral Hays why he had come to visit, did he just want to see a NAVFAC? His response said it all: "I've seen NAVFACS, I wanted to see NAVFACKEF!" To say that this facility stood apart and above all the others is an understatement. It was, indeed, one of the very most important organizations in the Navy, and the people who served there were the best, always rising to the occasion, always willing to give more. "Never have so few done so much for so many!"

I worry from afar about the long-term wisdom of this decision. Assuming the sensors are terminated elsewhere, how is the close relationship with the OPCON/VP to be maintained? The honest answer is that it cannot. Face-to-face liaison is irreplaceable. If remoted, in addition to the previous question, how is the physical security to be preserved? The answer is it cannot. So, sadness with the decision and the reality that what was, will never be again. The few, the best, the proud, the professional will be gone. God bless the officers, men and women of the world's best Naval Facility. "Never have so few done so much for so many!"

Respectfully,

//s// CDR James H.R. Brady, USN (Ret)

**Editor's Note:** This letter printed in entirety at request of the author. I think Jim would agree that the fact that we were/are an integrated network of sensors designed to complement one another made us a world class organization. By virtue of location Keflavik had the opportunity for its star to shine bright and often, but on a given day in a given situation each and every station served our Nation well. Ekd

# The Origins of SOSUS (Part 2)

by Dr. Ash H. Carter

*This is the 2<sup>nd</sup> part of a two-part history of the early beginnings of the System provided by Dr. Carter. Part 1 was published in the last edition of The Cable.*

In July 1951, negotiations were completed with the British to acquire a seashore site at Eleuthera in the Bahamas. Six hydrophones were installed - three in 40 feet of water, two at 960 feet, and one at 1000 feet. The first deep-water array was also installed off Eleuthera. It was a 40-hydrophone linear array, 1000 feet long, installed in 240 fathoms of water.

Early in 1952, two important events occurred. In January Captain Joseph P. Kelly (then Lieutenant Kelly) became project manager of *Jezebel*. And on the 29th of April, a group of flag officers visited Eleuthera. A U. S. submarine maneuvering offshore was given instructions to change course, speed, and depth. Final instructions called for the submarine to open range and make a box maneuver every 25 miles to give checkpoints. The admirals didn't wait. They had seen the lofargrams and were convinced that the detections were real. They headed back to Washington to make Project *Caesar* happen. Besides, the National Research Council had declared lofar a breakthrough.

The initial *Caesar* contract directed Bell Laboratories to undertake a program aimed at the manufacture and installation of equipment for long-range detection and classification. The development was to be carried on concurrently with the research program. A few months later, in June of 1952, CNO directed the Bureau of Ships to procure six stations. The brakes were off and *Caesar* was on its way.

The CNO letter suggested the following sites: Sable Island, Cape Hatteras, Bermuda (two arrays), Eleuthera, and Culebra, Puerto Rico. One week later CINCPACFLT wrote a letter to CNO saying they wanted to be kept advised of progress and offering a plan for wiring up the Pacific. At the end of June three major contracts had been put into effect - one for equipment, one for installation, and a third for the construction or expansion of a cable plant. And, for the first time, the low-frequency passive detection system was called SOSUS, for SOund SURveillance System.

Events followed in rapid succession thereafter. Wartime rules for procurement were still in effect, and, action followed in short order. The Simplex Cable Company was expanded to manufacture *Caesar* cables. The U. S. Navy Hydrographic Office set up a survey group and assigned three ships to undertake bathymetric surveys. The Maritime Administration released the cable ship *Bullard* to the Navy, who rechristened her the *Neptune*. New cable drums 15 feet in diameter and bow sheaves 12 feet across were

installed, the largest in existence. The *Albert J. Meyer* was added to the fleet. Two lofar units were sent to England to analyze submarine signatures obtained by the British.

In September of 1952, CNO increased the number of stations from six to nine, and changed the locations of several. The new plan called for sites at Sable Island, Nantucket, Cape May, Cape Hatteras, Bermuda, San Salvador, Grand Turk, and Ramey Field, Puerto Rico. Three more stations were added at Barbuda, Barbados and Newfoundland in January 1954. Pacific expansion came in May 1954, when ten more stations were planned, six on the West Coast.

Not everything went without a hitch. An array and cable were installed in the summer of 1954 off Grand Turk. Because of the low resolving power of fathometers in use at that time, the array was laid in a crack on the surface of a seamount and had to be abandoned for later relocation. When the problem was reported, Joe Kelly was asked by an officer from CNO if the cable ship had "used a lead line." Joe quietly replied that the ship had only been working in a thousand fathoms of water. Much was new and strange in those days, even to Navy personnel.

Target IOC dates were set for the NavFacs, one a month beginning in the fall of 1954. Ramey was the first to come on the air, in November, roughly one month late. The time between the issue of the Hartwell report and the first operational system was a little under four years.

Research and development work continued as other stations came into being. Major changes were made in bringing signals back to shore - first with multi-pair cable, later with coaxial transmission systems. Shore processing to this day involves lofar writers, but signal processing is far more sophisticated, and the old electromechanical equipment long ago gave way to modern microelectronics.

## Epilogue

In reflecting on these early years of SOSUS, what is most striking is how much was accomplished in a remarkably short time. Certainly a major factor was a serendipitous confluence of events - the discovery that low-frequency sounds could travel great distances in the ocean, the realization that submarines radiate identifiable low-frequency energy, and the pioneering work at Bell Laboratories on visual speech analysis. Ease of contracting was also an important element. The Navy's resolve to conduct undersea surveillance was crucial. The commitment of WECO and Bell Laboratories and their decision to assign some of their best people to the project were of considerable consequence. And, without any doubt, Joe Kelly's leadership was essential. (A short biography of Captain Kelly follows.)

It is obvious that the program was a *partnership* between the Navy and Bell Laboratories / Western Electric in every sense of the word. The relationship between the project office and the Bell personnel was unusually close. The person who directed the effort at Bell Laboratories at the beginning was Charles F. Wiebusch, who is retired and living now in Sarasota, Florida.

In recalling the spirit of collaboration that prevailed, Mr. Wiebusch said:

It was an excellent relationship. It was a relationship based on complete candor. He [Joe Kelly] would never do anything - knowingly, at least - which was not in the Navy's interest. He was a *Navy* man. The Navy was his prime interest in life. And therefore it was up to us...to do what would turn out best for the Navy...We had absolute confidence in one another and in the other's intentions. In all things we supported each other.

(C F. Wiebusch, 18 February, 1989)

The world was a different place then, but this close and productive relationship has endured for four decades.

#### Acknowledgements

The primary sources used in preparing this account were early *Jezebel* and *Caesar* reports and a recorded talk by Captain Kelly given at Whippany May 3, 1979. Useful information was also provided by Bob Jacob and Leo Treitel of PMW-180, and by a number of Bell Laboratories people, retired or still active. These include Charles Wiebusch, Bob Worley, Joe Schott, Helen Walkinshaw and Jim McLevey. Bunny White of the Bell Laboratories Archives and Records Center provided pertinent background information and Ted Schultz of the National Security Industrial Association furnished a biography of Joe Kelly. Finally, the author is greatly indebted to Dan Serebrakian for his invaluable editorial assistance and to Janet Beach for typing the manuscript.

#### Biography of Captain Joseph P. Kelly, USN

Joseph P. Kelly was educated in Washington, D.C., where he received a BS degree in electrical engineering from Catholic University in 1937. After graduation he worked at the Westinghouse Corporation in East Pittsburgh on large turbine generators and cable transmission systems. Later he was commissioned an ensign in the U. S. Navy and served in the Engineering Voluntary Service. He was indoctrinated in Arizona and trained in the underwater harbor defense school in San Pedro, California.

Thereafter, Joe was then sent to Panama as maintenance officer for magnetic loops and harbor defense mine fields. His work involved cable maintenance and repair and marked his first, but by no means last, encounter with cable

ships. He was later sent to Clearfield, Utah, as the officer responsible for making weapons and equipment impervious to tropical climactic conditions. As World War II came to a close, he was released from the Navy and returned to Westinghouse, where he worked from 1945 to 1951. With the advent of the Korean War, Joe was called back to active duty as a lieutenant assigned to Code 949, Advanced Space Functional Components. In December 1951, he was interviewed by Admiral Wallen, Chief of the Bureau of Ships. The Admiral asked Joe, "What do you know about Project *Jezebel*?" His response was "What's that?" The Admiral replied, "Welcome aboard; you are the project officer." That was the beginning of Joe's twenty-one year association with submarine surveillance.

During that period, Joe rose to the rank of captain. His outstanding performance as manager of Projects *Jezebel* and *Caesar* and the entire SOSUS program was widely recognized both in the Navy and by industry. He received the Navy Commendation Medal, and was three times awarded the Navy Legion of Merit: for his contribution to Project *Caesar*, for his work leading to the discovery of the sunken submarine *USS Scorpion*, and for his performance in a joint USN/Japanese Maritime defense project. An award from the Marine Technology Society for Ocean Science and Engineering cited Joe's "superb management" of the SOSUS program.

Joe was a recipient, along with Charles F. Wiebusch of Bell Laboratories, of the first Admiral Charles B. Martell Award, given by the National Security Industrial Association. The citation reads, "For their creative and dedicated leadership of the Project *Caesar* Navy/Industry Team, the work of which led to the implementation of an undersea surveillance system that has effectively and immeasurably increased the worldwide efficiency of the anti-submarine warfare effort of the United States Navy."

Following his retirement from the Navy in 1973, Joe served as staff advisor of the Oceanic Division of Westinghouse. He died at the Bethesda Naval Hospital on November 6, 1988.

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*Dr. Ash Carter writes: In the fall 1998 issue I was erroneously described as "architect of SOSUS as we knew it." My contribution, which was mainly toward an understanding of sound propagation in the ocean, was far more modest. The architecture of the system was the result of a large team effort and evolved over the years, reflecting the changing threat, the Fleet's experience, and improvements in technology. Also, I was Department head for SOSUS System Engineering only during a comparatively small portion of my 36-year career at Bell Labs.*

# IN MEMORIUM

## **OTMC Thomas G. Calder, USN (Ret)**

Chief Tom Calder passed away last spring in Errol, N.H. Services were held at the Fort Myer, Virginia Chapel and interment was in Arlington National Cemetery with full military honors.

Tom was one of the original OT's and a charter member of the Alumni Assn. He served in Bermuda, Keflavik, Antigua, FSS key West, Nantucket, COSL, Midway and Argentina.

## **LCDR DONALD "CLIFF" CLIFFTON. USN (Ret)**

LCDR Cliff Clifton died 28 July 1999 in San Diego, California where he resided with his wife Judy since his retirement from the Navy in 1977.

Navy veteran Donald "Cliff" Clifton discovered a whole new world of expertise and interest after a stroke impaired his speech and mobility in 1985. Once reluctant to embrace computer technology, he began to train himself on a personal computer, eventually creating a Web site for an organization of people with disabilities: Accessible San Diego. Cliff was apparently stricken with another stroke while helping a friend restore a boat in Coronado. His 1985 stroke required a month at San Diego Naval Medical Center and two months of rehabilitation at Veteran Affairs Medical Center before he could return to his civil service job in oceanographic research at the Naval Ocean Systems Center in San Diego.

"Cliff really accepted the change in his life with grace and style," said Michelle Sund who worked with Cliff at NOSC in the 1980s. "He was such a proud man I wasn't sure how he would take it." During more than a decade at NOSC Cliff was test designer for a new generation of military computers. "He was the mastermind and knew all the Navy operations," Sund said. "But he was from the old school. He kind of resisted computers until his stroke."

By the time he retired from NOSC in April 1994, Cliff had developed the wisdom of a Webmaster. He designed and updated the Accessible San Diego web site and a personal web site with photos from Hawaii, where he was stationed. Cliff spent about 21 hours a week working for Accessible San Diego.

Cliff was born in Longview, Washington. Cliff enlisted in the Navy before completing high school and completed his education during a military career that spanned 26 years. During the Korean War he served aboard the minesweeper USS CARMICK. A specialist in ASW, he also served in submarines and received three Navy Commendation Medals during his career. He was commissioned Ensign in 1962 and continued to progress to the rank of LCDR. Before retiring from the Navy in 1977, and moving to San Diego, LCDR Clifton served on the staff of Commander Oceanographic Systems, Pacific.

His wife, Judy of San Diego; daughters, Madeline Loren of Longview, Washington, and Stephanie Schmidt of Kelso, Washington; a sister, Alice Thomas of Kentucky; brothers, Jimmy of Anacortes, Washington, and Harvey, Myron, Glen, Kenneth and Larry, all of Longview, Washington; and 10 grandchildren survive him. LCDR Clifton is interred in the Fort Rosecrans National Cemetery, San Diego.

# IN MEMORIUM

## LT JERRY M. CARR, USN

LT Jerry Max Carr, USN, 45, died October 15, 1999 in Virginia Beach, Virginia. LT Carr was born July 4, 1954 in Alabama. He enlisted in the Navy in 1975 as an Ocean Systems Technician, Analyst and was a member of the Navy's Integrated Undersea Surveillance System (IUSS) community.

Through tours both stateside and abroad, to include Naval Facility Brawdy, Wales he achieved the rank of Chief Petty Officer and then was selected through the Navy's Limited Duty Officer program for a commission as a naval officer. Receiving his commission in 1992, he returned to Naval Facility Brawdy as an ensign and then followed with a sea tour on the USS CARON (DD-970), whose homeport was Norfolk.

Aboard the USS CARON he qualified as a Surface Warfare Officer. His most recent assignment was in the Operations Department of Commander, Undersea Surveillance. LT Carr's personal awards include the Navy and Marine Corps Commendation Medal, the Navy Achievement Medal, Good Conduct Medal and the National Defense Service Medal.

In addition to his mother, his wife, Deborah Carr and a son, Adrian Carr of Virginia Beach and a brother, Wayne Carr of Birmingham, Alabama, survive LT Carr.

## DOUGLAS A. LYLE

Mr. Douglas Lyle passed away on 23 March 2000 due to complications following heart surgery. Memorial services were held at the Forbis & Dick Funeral Chapel, Greensboro, N.C. on 26 March. During his 21-year career with Western Electric/AT&T Technologies Doug held a variety of Department Chief -level assignments relative to SOSUS resident engineers and quality control.

He was the Chief Resident Engineer at NavFac Brawdy, Wales 1976 to 1979. Doug was a charter member of the IUSS/CAESAR Alumni Association. He retired from AT&T Technologies in 1989. In the ensuing years Doug and his wife Louise acquired and managed three Hallmark stores in the Greensboro-Burlington, N.C. area. His wife Louise, four children and four grandchildren survive Doug. He will be truly missed by his family and friends.

## CWO3 JERRY MOONS, USN (Ret)

The IUSS community has lost a truly exceptional person, a true professional and a fine gentleman. Like most of you I knew Jerry from having served with him, in my case it was Point Sur. Jerry had distinguished himself in the technical world and was a Vice President at Orincon in Hawaii. The following is from Orincon's notice of his passing. Quote: "It is with heavy heart and with great sadness that I inform you that we lost Jerry Moons today.

Jerry passed away in the early morning hours on Monday, 27 March. As everyone is aware Jerry was diagnosed with cancer late in 1999. In Jerry's indomitable way he was determined to overcome this minor setback and to get back to family and work as rapidly as possible. Unfortunately things did not work out that way. Jerry Moons will be sorely missed. His energy, his enthusiasm, his humor and his zest for life were infectious and inspirational. He cared deeply for God, country, family and all of his employees. What Jerry did with the Hawaii office is a phenomenal success story and a tribute to his dedication and unequalled talent.

We are all better from having known and learned from Jerry.....Thanks Jerry for the example you set, your integrity and for your many contributions to Orincon and indeed to humanity. I'm sure you all join with me in sending our deepest condolences, best wishes and love to the Moons family." Unquote.

## ***McMILLIN LETTER TO COMUNDERSEASURV***

August 30, 1999

COMUNDERSEASURV  
373 Bullpup Street  
Virginia Beach, VA 23461  
Attn: LCDR D. Melton

Dear LCDR Melton:

The IUSS Community lost one of the true pioneers of the Oceanographic System with the death of LCDR Donald E. "Cliff" Clifton, USN (Ret) on 28 July 1999.

I met Cliff in 1963 when he was Operations Officer, at what then was the Oceanographic Unit, (before it was designated and Oceanographic System) located in the old Pan American Building on Treasure Island in San Francisco Bay. He was a mentor and advisor to those of us trying to understand the SOSUS business, sharing his expertise freely and making us a partner in the operational development.

On the occasion of his death and with the 45<sup>th</sup> Anniversary on my mind I recalled a most significant 20<sup>th</sup> Anniversary event that may not have been duly recorded in the annals of IUSS History.

Accordingly, I drafted the attached note of the memorable occasion and pass it as a genuine tribute to LCDR Clifton. All the Bell Labs staff that knew and worked with him respected him.

My Best Wishes for a successful 45<sup>th</sup> Anniversary.

Dan McMillin, Bell Labs (RT)

## **A Story of Two Flags**

Submitted by Dan McMillin

The story goes that in 1952 a field trial was undertaken between a cooperating U.S. sub and Bell Labs designed LOFAR equipment attached to a prototype hydrophone array installed in the Atlantic by the Western Electric Co. This early test program was known as Proj. Jezebel and later labeled CAESAR, the production phase of SOSUS. The initial submarine detection trials were so successful that the cooperating submarine returned to port flying a large Bell System flag from its periscope. I was told that this was an unorthodox and unauthorized demonstration on a military boat.... The flag was given to a Bell System team representative in appreciation of the rapid development effort. I don't know how true the story is, I wasn't there, but it came from a very reliable source. I liked this story because it demonstrated the spirit and cooperation that existed between the military and the Bell System on this Program.

I told this story many times. On one occasion in early 1974, I repeated the yarn at a joint COSL/COSP/Bell Labs, Evaluation Center (ECDAPS) design workshop at the Guilford Center in Greensboro, N.C. I ended the story by saying that since 1974 was the 20<sup>th</sup> Anniversary of this collaborative effort it would seem only fair that Bell Labs fly a Navy insignia of some kind over a Bell System installation in an "unauthorized" show of our continued commitment to the SOSUS Program.

The Operations Officer visiting from COSP, LCDR Don "Cliff" Clifton spoke up and said he would provide a suitable flag if I would see that it was flown in the fall of 1974 representing the IOC date of the NAVFAC at Ramey Field, Puerto Rico. Some days later a package arrived with a note from Cliff asking that photos be sent to him to show that my promise to fly the flag had been fulfilled.

One morning in November, I arrived early at the Guilford Center just after the guard had hoisted the U.S. and Bell System flags. Knowing that he went to the cafeteria after this I lowered the Bell System flag and attached the "Three-Star" flag Cliff had procured for the ceremonial occasion.

The flag was flown a second time when Cliff visited the Guilford Center a year or so later and, in his honor, I declared him a "Three Star" for the day. The flag was retired in 1993 after flying briefly over the Eagle manufacturing plant where system components were in production by the AT&T/Bell Labs team. It remains in my office, a treasured symbol of the teamwork that brought SOSUS into being.

## PEOPLE NEWS – 2000

Greetings! The 45<sup>th</sup> Anniversary of the “System” has come and gone. It was celebrated in Grand Style on 18 September 1999 in Norfolk. CDR Jim Donovan and his Committee did a stellar job. **Stewart Abelson, Civil Service**, worked on the Integrated Communications System for 15 years and resides in La Mesa, California. **Dave Annis, OTMC (SW), USN (Ret)** resides in Colfax, Iowa with his wife Rhonda and sons Richard (16), and Aaron (12). Dave is a Correctional Officer at the Newton Correctional Facility, Newton, Iowa. **CDR James H.R. “Jim” Brady** is fully retired and living in the San Juan Islands on Lopez Island in Washington State with his wife Sarah and daughter Brooks. After leaving service in 1985, he worked for a defense contractor, the Navy Lab (NOSC) in San Diego and then tried his hand at real estate. They continue to coach Little League baseball and volunteer at the local school.

**LCDR Rebecca Badders, USNR** is living in Colts Neck, N.J. She is the XO of the Naval Reserve Center in Earle, N.J. She was recalled to active duty in June 1997. Rebecca recently married (June/99) Mohamed Morssy, an Egyptian Navy veteran. Congratulations! **OTCM Phil Brown, USN (Ret)** continues to reside in No. Virginia and has been with TRW for over 17 years. His son, Phillip, is 13 and will be entering high school next year. **Steve Buck, TRW FDS Program Manager**, retired from TRW (30+ years) in Feb. 1999 and now resides in Evans, Georgia with his wife Marcia. **Mike Burmeister, NAVFAC’s Antigua and Bermuda (’63-’66)** is currently with Boeing, living in Saudi Arabia. He is a writer/director/cameraman for documentaries. **OTCM Ray Burnell, USN (Ret)** and wife Miyoko are in Sebago, Maine. **OTCS Bob Burnell, USN (Ret)**, wife Patsy, daughter Kelley and granddaughter Breanna all reside in Orange Park, Florida. Bob is the ONI ACINT rep at NAS Jacksonville. **Mel Soublicas Caron, OTA1** is in Oak Harbor, Washington. She is married to **Kevin Caron, STG1 (ex-OTA1)**. They have 3 children: Phillip, Jonathon and Dan. Kevin retires in 2-years. Currently stationed at SURTASS LFA MilDet, Whidbey Island. Mel related that she has had a full-time job in her battle with cancer the last 4 years. Like Mel, many of our fellow Assn members and their families are coping with significant medical issues. We need to keep them in our thoughts and prayers for a return to good health.

**NCC (IUSS) Marilyn Champion, USN (Ret)** has changed residences and is in Clearwater, Florida. She teaches at Clearwater High School in the evenings and is a Veterans Benefits Counselor, Dept. of Veterans Affairs, St. Petersburg, Florida. Marilyn has offered to respond to any inquiries from qualified individuals about VA benefits; sounds like a great resource. Thanks Marilyn!

**OTAC Gregory Clarkson & OTA1 Melody Clarkson, USN** reside in Chesapeake, Virginia and are stationed at CUS and NOPF Dam Neck respectively. Greg did a great job in supporting the 45<sup>th</sup> Anniversary celebration. Raytheon recently transferred **CAPT Hearst Coen** from the NW to the NE. Hearst and wife, Jerri are residing in Portsmouth, R.I.

**OTA1 Thomas Duffy, USN (Ret)** lives in Brewster, N.Y. His last duty station was the JMF and he retired after 20 years on 31 July 1999. **John “Big Bird” Emory** and wife Edie have relocated to Mount Vernon, Washington. John has joined the “consultant” community. **Karl Emrich, RMC, USN (Ret)** is fully retired in Virginia Beach with his wife Corrine having raised a family of five children. Karl was on the COSL ORI team, 1962-63. Remember the team’s motto: “we are here to help you”??? He retired from the Navy in 1971; then was a power plant electrician for six years before complete retirement in 1977. He now enjoys their RV travels and continues his hobby of 51 years, ham radio operator. **Jesse Gilliam, OTA1 (ex-AWH1), USN (Ret)** lives in Sandston, Virginia. He has two children: Jacob, 4 and Jennifer, 3. Jesse is currently a Police Officer in Richmond, Virginia; a position he has held since he left the Navy. **CAPT Gerald Faber, USN**, Commander Undersea Surveillance 1997-1999 is a Senior Military Fellow at the National Defense University-Institute for National Strategic Studies, Fort McNair, WASHDC and resides in Springfield, Virginia. **CAPT Bob Fitch, USN (Ret)**, COSP ’82-’85, is a senior scientist with Scripps Institute working with the Office of Naval Research, Arlington, Virginia. Until recently he was the senior VP at MANDEX, Inc. He and his wife Eileen reside in Herndon, Virginia. Bob still pursues his hobby of gem mining when he can. **CAPT Jerry Fogle, USN (Ret)** writes from Portland, Tenn. that his wife Maureen has opened a dance studio and son Corey will enter the Navy as a Naval Flight Officer Candidate later this year.

**CAPT Tom Gill, USN (Ret)** and wife Betty continue to reside in Rockville, Maryland and spend much of their time traveling via Space-A. **STGC (OTAC) Greg Gustafson, USN** is currently working at the Naval Historical Center, WASHDC. **Robert Hickman, former LTJG, USN**, NAVFACs Nantucket and Argentina, ’68-’71, lives in North Syracuse, NY with his wife Anne and three daughters and is a Senior Engineer for the Niagara Mohawk Power Corporation. **CAPT Kathy Harger, USNR** continues in a senior level position at Potomac Institute and serves on the CNO’s Executive Board as her Reserve assignment. **OTCM (SS) Bob Hicks, USN**

(Ret) continues as a Business Manager for ORINCON in Hawaii.

**OTCM Jack Holdzkom, USN (Ret)** completed 36 years' work in IUSS operations, the last ten of which were with PSI at COSL/CUSL/CUS and NOPF Dam Neck. He and wife, Louise recently enjoyed a three-week vacation in Guam, visiting their daughter, son-in-law, and two grandchildren. **OTAC Brad Jeffers, USN (Ret)** retired in 1995 and now lives in Stafford, Virginia with his wife Vicki and daughters Karen (age 6) and Kaila (age 3). He is with Lockheed Martin. **OTMC Mark Kohlman, USN (Ret)** resides in Louisville, Tenn. and owns his own screen-printing company. **LTJG Jerry Kosowski, USN (Ret)** and wife Sandi live in Little Rock, Arkansas. Jerry retired in 1983 after 24 years and works for Acxiom Corp. as a software engineer. Sandi is a regional test centers manager for Sylvan Prometrics. **CAPT Arno Laux, USN (Ret)** and wife, Marilyn have taken up residence in Dunnellon, Florida. They are in the retirement development of Rainbow Springs. Arno's son-in-law, **Ken Stolle** is a Virginia state senator and just may be the next Attorney-General of Virginia.

**Wayne Madsen** (Lewes/Barbados/Kef/Coos Bay '76-'83) resides in Arlington, Virginia and is a journalist/author/screen writer. He is doing some research on the history of the System. **Randall Maples, USN (Ret)** and wife Ayn are on their ranch in Larabee Valley, Bridgeville, CA. **RADM Pete Marshall, CEC, USN** returned to WASHDC from Hawaii. Pete is Vice Commander, Naval Facilities Engineering Command. **Nick McConnell** recently moved to Chesapeake Beach, Maryland. He said **Fred Schwanz** recently moved to Springfield, MO. **Gerry Massie, OTMCS, USNR (Ret)** is in Norfolk, VA and works for Lockheed Martin on the AN/SQQ-89 Program. **OTACS Billy Miller & OTA1 Karen Miller, USN (Ret)** are in Cape Coral, Florida. Karen has been battling some a significant medical issue, TB, but hopefully is on the way to full recovery. Billy & Karen provided some nice background information that I will share in upcoming issues. **OTACS Dan Miller and OTA1 Catherine (Serwe) Miller, USN (Ret)** reside in Fond du Lac, Wisconsin. **Richard Meyers, Ex-STG2, USN** resides in Princeton, NJ (near my hometown of Lambertville) and is an Assoc. Prof. of Humanities at Ocean County College, Toms River, NJ. Richard indicates his "Sea-Daddies" were Dave Dittler and Bob VanAlstine. **Nadine Morelli, Ex-OTA3, USN** and husband Aaron are in Ft. Myers, Florida. Nadine is working for Sprint Communications. **Joe Mooney, Ex-OTM1, USN** is in Ballground, Georgia and is employed by CompUSA in the Systems Integration Dept. **CAPT Gerry Nifontoff, USN (Ret)** is with Lockheed Martin in San Diego after having retired from his position of SPAWAR, ISR Program Director. **CDR Maggie Niles, USN** is in New Orleans. She helped turn out the lights at Cape Hatteras in 1982 (has it really been

that long ago?). **John Novotny, Civil Service** continues as a Project Manager at SSC-SD (formally NOSC/NraD, et al). His projects include CP/UCP/ICS/RICS/IAC (brings back memories doesn't it?) **LT Ted O'Donnell, USN (Ret)** resides with his wife Mary, in Melbourne Beach, Florida. He retired from the Navy in 1979, earned his MBA from National University, San Diego in 1980 and until 1992 was general manager for a Time-Warner cable system.

**OTA1 George Parker, USN (Ret)** is in Virginia Beach where he is employed as a SURTASS ship rider. His wife Sylvia works for COMNAVBASE, Norfolk, Housing as the NAS Oceana site manager. **CAPT John Parrish, USN (Ret)** recently parted company from Lockheed Martin to take the position of VP for Quality Assurance for Advance Auto Parts Corporation, a national chain headquartered in Roanoke, Virginia. John and Susie reside at Smith Mountain Lake, Moneta, Virginia. Beats commuting in No. Virginia area. **OTCM Gary Peterson, USN (Ret)** calls San Diego home. Since his Navy days he has worked in CNO Special Projects, AN/SQQ-89 Surface Ship System, and SURTASS. When last heard from **CAPT Dick Porter, USN (Ret)** was at Lockheed Martin in Sunnyvale, California and was planning to retire to Whidbey Island at the end of 1999. **PO1 Lesley Quin, CF (Ret)**, NAVFACS Shelburne (2 tours), Bermuda and Argentina (3 tours), retired from the Canadian Forces in 1996, completed a Business Admin Certificate and now works in the Dean's Office, Faculty of Business, University of Victoria. Lesley is the proud owner of a 27' Sloop, "SeaQuin IV"; resides in Victoria, B.C. and is the Fleet Captain of the local Canadian Forces Sailing Association.

**Bob Rech, Ex-RM2, USN** of Sable River, Nova Scotia, Canada, a neighbor of **Dave Dittler's**, was stationed on San Salvador 1956-1957 and then transferred to Shelburne. **LCDR Stu Richards, USN (Ret)** moved to Littleton, Colorado in May 1999. **Doug Roderick, Ex-OTA1, USN** is in Fairfax, Virginia and works for Lockheed Martin in Manassas, Virginia. He is currently pursuing a Masters in International Business. **CAPT Jerry Russell, USN (Ret)** has moved to Rocklin, California with his wife, Sharon, after retiring from the Micro-brewing business in No. Virginia. **Leon Ryder**, a retired Salvage Master and General Manager for BISSO Marine in Virginia Beach, Virginia. Leon was involved with installation of cables as a Navy Diver for over 14 years. He was involved in the "shore end" installations at Shelburne ('58-'59), down range sites and Keflavik. He spent 30 years in the Navy, retiring in 1978 (you do the math). Twenty-seven of those years were spent as a diver, diving instructor, diving officer and ship driver. For 21 years after retiring he worked for Tracor Marine out of Fort Lauderdale and then Bisso Marine.

**Michael Scarborough, Ex-STG2, USN**, NAVFACs Kef and Lewes '66-'69 is in Edwardsville, Illinois. He retired from UPS after 27 years in 1998. He now builds Street Rods, restores motorcycles and travels. **LCDR Dean Schaaf, USN (Ret)** resides in Merritt Island, Florida. Upon retirement in 1991 Dean went to work for NASA at the Kennedy Space Center. His duties take him to Spain, Morocco and West Africa. He said he is in the Fleet Reserve Assn, Branch 263 with NavFac Antigua shipmates Karl Bregenzer, Repanshek and Woods. **RADM Scott Sears, USN (Ret)** is in Greensboro, N.C. and is VP, Defense Programs for General Dynamics. As a Submarine officer Scott was a user of our product and (not his words) provided us a target of opportunity now and then.

**LCDR Marti Short, USN**, and daughter Megan, a HS sophomore, reside in Cantonment, Florida. Marti is at the Naval Aviation Schools Command as Asst. Director of OCS, Direct Commission Officer Instructor. She is getting real, real close to retirement. (talk about feeling old! I remember her as a fresh caught OT at Brawdy circa 1979. ekd). **CAPT Leslie Skowronek, USN** is in WASHDC and is the Executive Assistant to RADM Paul Gaffney, USN. Indications are that Leslie will retire sometime in the very near future? **CWO3 Vern Smith, USN (Ret)** is in Green Cove Springs, Florida. He is currently the Information Systems Security Manager at Jacksonville Naval Hospital. Vern proves persistence pays off; it only took us 5-years of badgering to get him to join the Assn. **OTCM Ed Smock, USN (Ret)** is still alive and well in Norfolk. Ed works for TRW as Fleet liaison at NOPF Dam Neck. **Efrain (Ef) Sola, Ex-OTAC, USN** is in Nashua, NH. He left the Navy in 1993, worked for BBN as a Training Developer on FDS/SDS project until 1996 and is now a field engineer for Parlance Corp. of Boston. **Master Chief Bill Stavenger, USN (Ret), GS-12 (Ret)** lives in Virginia Beach with his wife Geraldine. Bill relieved **Ray Lasagne** as a Facility Engineer in 1971 and retired in 1997 as Public Works Superintendent. After 50 years of Navy/Civil Service he says he is enjoying every minute of retirement. **LCDR Sandra Stearns, USN (Ret)** is in Norfolk and was stationed at Kef, '79-'80 and COSL '80-'83. **CAPT Joseph Swaykos, USN** is currently Deputy Oceanographer of the Navy (OP96B) and resides in Fairfax Station, Virginia. **OTACS Al Sweeten, USN (Ret)** has continued to reside abroad in Haverfordwest, Wales. Al retired in 1988, ran an Industrial Cleaning firm that he sold and then started a Fabric and Craft Shop with his wife, Vivienne, which they ran together until selling in 1998. They are now involved with local charities and fund raising.

**LCDR Norah H. B. Anderson, USN (Ret)** is in Ashtabula, Ohio and consults for EDO Technology Services & Analysis. **CAPT Ray White, USN (Ret)** and wife Sylvia reside in Montclair, Virginia. Son, David is a

Navy Helo pilot and daughter Jennifer is married to a navy Helo pilot. Daughter Karen is a nurse. **Jim Weinel, WECO/AT&TT/Lucent/Gen. Dyn.** and wife Solveig are in Greensboro, N.C. Jim provided a nice article entitled, "Evolution of SOSUS/IUSS Signal Processing" which I will feature in the next newsletter. Jim has over 32 years invested in IUSS-related work for his company. **Wyndee Whittaker, Administrative Asst Extraordinaire** at NOPF Dam Neck continues to train Commanding Officers as they cycle through her office as well as serving as my "resource" for Fleet information. **OTCM George Widenor, USN (Ret)** and wife Peggy have built and moved to their retirement home in Paso Robles, California. **Bob Williams, WECO/AT&TT/Lucent/Gen. Dyn** resides on a farm in Walkerville, N.C. with his wife Peggy. Bob was involved with the installation of equipments at twenty-seven facilities; he missed Nantucket and Grand Turks. (Editor's note: have you heard that the Turks and Caicos Islands are popular as a getaway for the rich and famous; who'd a thunk it?). **CAPT Larry Bucher, USN (Ret)** is in Virginia Beach and is Director of Northeast Operations for SEMCOR, Inc.

To satisfy those that asked: as for myself (ekd), I retired from TRW in Jan '99 after sixteen years. I am now a Program Manager for MANDEX, Inc. (thanks to Bob Fitch for hiring me) providing support to Office of Naval Research. My wife Mary is a Director for Proposal development for Lockheed Martin, IMS in downtown D.C. Daughter Aimee graduated from Duke Univ. and Virginia-Maryland School of Veterinary Medicine. She is practicing in the Boston area. She and husband Dr. Dave (engineer-type Dr.) are proud parents of our first and only grandson, **Timothy Kent Meeker** born 1/16/99. Son Brett lives in Fairfax, VA runs his own custom cabinet and furniture making business as well as running wilderness survival and self-confidence building/endurance tours for Outdoor Adventure Travel Services (OATS) <http://www.livemoss.com> based out of Frederick, Maryland.

Until next time!! **EKD**

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