

Electric Boat News

September 2000

Navy to launch sub test platform in Idaho lake

When someone says Idaho, you probably think potatoes, not maritime ceremonies. But Idaho's where the Navy will launch its newest submarine Nov. 15.

Technically, it's not called a submarine. It's a Large Scale Vehicle – a one-third-scale version of a Virginia-class submarine that's being built jointly by Electric Boat and Newport News Shipbuilding. Known as Cutthroat LSV-2, the autonomous, unmanned vessel will be used to affordably test new technologies for insertion into Virginia-class submarines.

So what's it doing in landlocked Idaho? That's where the Navy operates its Acoustic Research Detachment (ARD) – on the shores of Lake Pend Oreille in the community of Bayview.

According to Jerry Miller, EB's LSV-2 project manager, EB's portion of the \$100 million project has included the design and construction of the main propulsion components, steering and diving controls, and the aft non pressure hull. NNS built the pressure hull, forward non-pressure hull, the sail and the systems and components in the forward end of the vehicle.

A 6000-HP permanent magnet motor developed by the General Dynamics Marine Propulsion Plant Team pro-



The aft section of Cutthroat LSV-2, a one-third scale version of a Virginia-class submarine, heads west toward Idaho where it will be joined with the forward section at the Navy's Acoustic Research Detachment on the shores of Lake Pend Oreille. The aft section was built by EB; the forward section by Newport News Shipbuilding. Standing by the EB section before it was shipped are members of the construction management team, from left, Steve Gerrish (226), Mike Acquaviva (200), Don Dowd (355), Tom Walsh (355), Gary Weisensee (355), Jim Knighton (355), Gary Arzamarski (330) and Jerry Miller (418).

vides propulsion power. EB is the leader of that team.

Last month, both EB and NNS loaded their respective LSV-2 sections on trac-

tor - trailers for shipment to Idaho. Arriving at the ARD several days later, the sections have since been welded together.

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Pipeshop employs laser technology

The Pipeshop (243) has introduced laser technology in the fabrication and installation of critical pipe systems. This new process eliminates building large metal targets by utilizing a computer-guided laser beam. The laser data is then processed creating an electronic model. This process has reduced cost and schedule while enhancing accuracy. Photographed near the newly purchased laser tracker are, top left, accuracy control technician Robert Harbeck and Pipeshop operations representative Dave Lewis, and bottom, laser operator Byron Lowery and Pipeshop representative John Genese.



Technical Lecture Series: Fall 2000

Now in its fourth year, EB's Technical Lecture Program is designed to provide employees with a comprehensive overview of the company's products, services, and resources. The series also is intended to instill personal and professional pride among employees and the role everyone plays in engineering, design, support, and construction.

- Lectures are open to all employees. They will be presented Thursdays at 2:30 PM and 4:00 PM in the Technology Center cafeteria.
- Attendance is voluntary; however, attendance is recorded. Employees who attend 60 percent or more of the lectures in a series receive a certificate and letter for commendable attendance.
- No charge numbers are provided.

Fall Program

Topic	Host/Speaker	Date
Submarine Escape at 600 Feet	Don Gage Mark Whitney Bill Cockerham	October 5
Mold in Place Technology (Design to Build)	Jim Noonan Mark Makoid Robert Tuneski Charles Wood Sue Evans Bill Giard (SupShip)	October 12
GD Marine IPDE (Intergrated Product Data Environment)-Moving into the 21st Century	Don Slawski Bob Geary	October 19
Common Parts Catalog Implementation at GD Marine	Barry Espeseth Ed Gladue	October 26
EB Off-Sites' Business Activities: Kings Bay, Bangor, Wahington Engineering Office	Stan Fraser John DeBartolo Ed Whitehead Sam Dutrow	November 2 (2:30 PM only)
Manpower Planning and Performance Assessment	Hank Rianhard	November 9
VIRGINIA Class Technology Insertion	Tom Plante Angela Raque Eric Jay	November 16



ELECTRIC BOAT News

September 2000

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2000 ELECTRIC BOAT

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Electric Boat software experts preparing for assessment

Electric Boat software experts are preparing for an assessment that will validate the company's ability to develop computer software to stringent industry standards.

The assessment is a continuation of EB's efforts to quantitatively measure its proficiency in software development. It's the next step in an evaluation process that began last year when the Software Productivity Consortium determined that EB had met the requirements for what's called Capability Maturity Model, Level 2, an industry standard developed by the Software Engineering Institute. The Level 2 designation – one of five levels – means that EB has established standard and verifiable methods to develop computer software.

According to Deb Pare, engineering supervisor in Dept. 454, attaining the Level 3 designation involves demonstrating that Level 2 requirements have been maintained while meeting requirements in several additional key process areas including planning, test, peer review, training and organization.

The evaluation period will begin Nov. 6 and end Nov. 17 when representatives from the Software Productivity Consortium present their findings to EB management.

During that two-week period, said Pare, the assessment group – comprising Software Consortium personnel and members of EB's Software - Engineering Process Group – will focus on four or five software projects. Group members will interview project leaders, subject-matter experts and



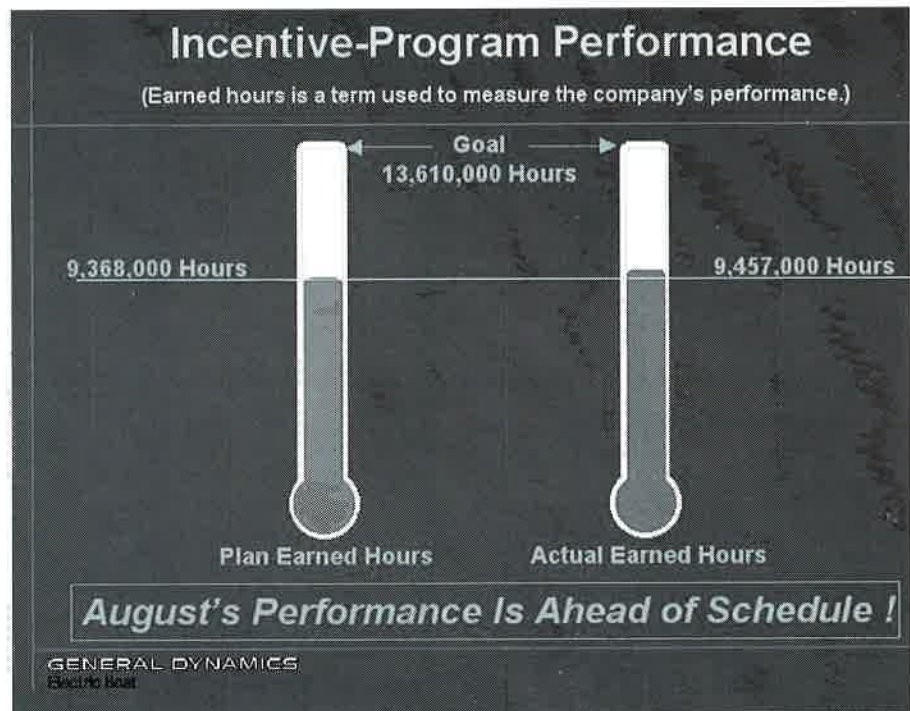
Greg Angelini, manager of software engineering (454), Deb Pare, engineering supervisor (454), Chuck Heiberger (494) and Gus Proestakis (443), foreground, discuss preparations for an external assessment that will examine EB's software-development capabilities.

management members. They'll also evaluate the effectiveness of integrated product teams engaged in software development.

in all Electric Boat programs," said Pare. "In ship design, we've developed world-class software to analyze the effects of shock and vibration. And on the ships themselves, software

"Computer software is growing in terms of both quantity and complexity

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EBAC men's golf field day results

The annual EBAC Men's Golf Field Day Tournament was held at the Shennecossett Golf Club Saturday, Sept. 16 and Sunday, Sept. 17, with a total 155 golfers participating. Mark Toscano, with a low gross score of 73, was the winner of the John Jay Hopkins Award. Anthony Kargul also had a low score of 73, but Toscano was declared the winner after matching cards. Toscano went birdie, birdie, eagle on the last three holes to capture the award. Low net honors went to Bernie Payne with a net score of 62. The event included 18 holes of golf followed by dinner at the Par Four Restaurant.

Prize winners are:

1st Low Gross -	Mark Toscano	73
	Anthony Kargul	73
2nd Low Gross-	Bill Redd	74

EBAC League Members

1st Low Net -	Bernie Payne	62
2nd Low Net -	Bill Redd	66
3rd Low Net -	James Fletcher	67
	John Leger	67
	Ed Hart	67

Non EBAC League Members

1st Low Net -	James Peterson	65
2nd Low Net -	Scott Whitmore	67
3rd Low Net -	Ed Freeman	68
	Jeff Killowitz	68

Closest to Pin - 9th Hole

Saturday: Bill Heuer

Closest to Pin - 12th Hole

Saturday: Bill Redd

Sunday: Mike Jakubowski

Closest to Pin - 15th Hole

Sunday: Duncan Olding

Longest Drive

Saturday: Jon Morosini

Sunday: John Szarzynski

Prizes can be picked up at EBAC Office.

LSV-2 readied for launch

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The complete vessel is 111 feet in length, with a beam of 10 feet and a draft of nine feet. Submerged displacement is 205 tons. All appendages, such as the fairwater, control surfaces, and various simulated sonar fairings, can be removed or relocated for scientific studies.

Beginning next year, the ARD will undertake a series of tests to evaluate LSV-2's hydroacoustic, hydrodynamic

and maneuvering characteristics. In addition, ARD will test hull coatings, mountings and advanced sail designs.

Among the guests expected to attend the launching ceremony in November are the 400 students from nearby Athol, Idaho, elementary school, who selected the name Cutthroat for LSV-2. The Cutthroat is a species of trout native to Lake Pend Oreille and nearby tributaries.

Health Fair 2000



Hundreds of Electric Boat employees made their way to the Main Yard Hill, the Tech Center atrium or the Building 197 cafeteria on Sept. 12 to check out Health Fair 2000. The event featured free screenings for cholesterol, blood pressure, skin damage and bone density. There was also body-fat testing, massage therapy demonstration, and smoking cessation assistance.

Service Awards

40 YEARS

DEPT.
436

Linda M. Lord

35 YEARS

DEPT.

200 Robert E. Buttermore Jr
241 Robert A. Michaud
355 Kenneth W. Michaud
423 Benjamin W. Pipech
449 Kenneth G. Prescott
459 Ronald Arner
463 Ludwig R. Fuisting
464 Richard R. Stottlemeyer
472 Edward M. Suter
477 William D. Barnes
629 Henry P. Rianhard
650 David A. Gienau

30 YEARS

DEPT.

228 Edward E. Barber
241 Edwin R. Frink
Ronald W. Poole
Kenneth W. Moriarty Jr
243 John L. O'Neil
244 Victor R. Jenschke
330 Mary A. Alfieri
355 Michael H. Cardinal
John R. Morris
425 Ronald O. Espinosa
452 Charles H. Woods Jr
495 Arnold S. Herrington
505 Charles R. Hammond Jr
852 Sigfredo Polidura

25 YEARS

DEPT.

100 Gary R. Glaude
200 Thomas J. Kiely
243 Walter E. Burnett
Antonio A. Tavares
Stephen Zeiba III
252 James E. Chapman
Humbert A. DeGregory
Jose S. Demedeiros
Charles J. Pescetello
355 Alan G. Kuhse
425 George C. Mowell
436 William D. Higgins
449 Stephen J. Bush
452 Bernard L. Deleon Jr
453 Burton L. Dupaul Jr
456 Dennis J. Severns
477 Francis B. Pendola
493 Leonard J. Devoe
902 Emanuele J. Criscione
904 Bernard I. Brammall
911 Richard F. Crowley
Peter D. Lee
Roy R. Wheeler
915 William M. Hannon
Gary M. Slater
924 Howard H. Brown
William S. Smyth
935 Norman J. Baxter Jr

950

Randall Blankenship
Richard F. Leland
William F. James Jr
Donna T. Patterson

957

970

20 YEARS

DEPT.

221 Nancy A. Gries
Karen B. Nelligan
David L. Triplett
244 Russell E. Barker
251 Richard W. Adamec
Michael A. Civardi
Todd W. Emard
Armando P. Lopez
Glenn F. Smith
Carrie M. Traynham
252 Michael J. Hague
Susan I. King
Bernadette C. Repetti
330 John C. Brown
341 Robert J. Archambeault
355 Stuart Fraser
William P. Heuer Jr
Michael J. McCarthy
Wayne L. Petrosky
403 Raymond A. Hamilton Jr
Ronald M. Kadlecik
Allan J. Keliy
409 Stephen R. Menno
423 John T. Michels
429 William D. Minor Jr
438 Brian P. Huard
447 Rita A. Grant
452 John D. Kressley
453 Ernest R. Wightman
456 James Bass
Michael H. Cahoon
Darnell A. Aker
John F. Gervasini
Larry J. Kloiber
Sherman L. Montgomery
Robert W. Perry
Michael S. Sandrey
Harry W. Smullen
460 Gary A. Deal
462 Wilford L. Kalbach
472 Richard D. Sheridan Jr
614 Magaly Lopez
641 Kevin M. Cassidy
643 Diane A. Cain
645 Ellen M. Romyns
660 Rosemary A. Lewis
902 Michael R. Flanagan
Robert T. McLaughlin Jr
John T. Omelia
911 Eduardo Espinola
David R. Lees
915 Gary J. La Belle
Lascom E. Rice
Donald E. Stoddard
Leonard L. Totten
935 Harry H. Hubbling Jr
Michael D. Radkovich

Retirees

30 - 40 YEARS

Dept.

243 John E. Drury Jr
37 years
Pipefitter

243 Robert E. James
38 years
Pipefitter

243 Joseph A. Kirchner
32 years
Pipefitter

355 Brian L. Springer
38 years
Prod Planner

438 Russell E. Fishkin
35 years
Mgr of Rad Control

636 Martin W. Mickus Jr
38 years
Buyer Specialist

957 Peter G. Anderson
38 years
Num Control Analyst

20 - 30 YEARS

Dept.
242 Donald W. Roux
24 years
O S Machinist

272 Edwin B. Tuthill Jr
21 years
STO Test - Elec

417 Marjorie H. Lang
25 years
Eng Project Spec

456 Robert E. Anderson
28 years
Supv Design

602 Janice M. Bonamarte
29 years
Staff Assistant

643 Mary E. Bailey
27 years
Human Res Rep Sr

705 Ronald D. Whited
25 years
Eng Project Spec

901 Victor M. Skalubinski
25 years
Foreman

Classified

APPLIANCES

MAYTAG - dishwasher, \$75; small window a/c, \$50. 572-1487.

REFRIGERATOR - Sears, 16 cu. ft., \$70; washer \$80; elect. dryer, \$70; microwave, \$25; Nordic Track Walkfit, \$180; 3.5 hp gas leaf blower, \$80; Nordic Track, \$100. 536-1347.

AUTOS/TRUCKS

CHEVY CAPRICE CLASSIC ESTATE, 1986 - 9 passenger van, 5.0L V8, rebuilt auto trans, full power, white with wood grain, tan interior, 2nd owner, air shocks, 156k miles, daily driver, new master cylinder; \$800 or best offer.

CHEVY CELEBRITY, 1987 - runs good, 137k, \$750 or best offer. 887-7676.

CHEVY K-30 DUMPTRUCK, 1986 - with Fisher Plow, 2 sets of side boards, \$5,500. 887-0604.

CHRYSLER LEBARON, 1987 - 2dr, 114k, new exhaust, good tires and brakes, \$500. 599-0809, leave message.

DODGE GRAND CARAVAN, 1997 - 3.3L, radio/tape/cd, rear a/c, anti-lock brakes, hitch, two sliders, child seats, roof rack, 72k miles, \$11,500, 848-6921.

DODGE SHADOW, 1990 - good running car. In good shape, 5 speed manual transmission. Call Rus, 423-6971 after 5:00 p.m.

FORD TAURUS SHO, 1993 - 88k, black/black leather, at, loaded, excellent condition, garaged, never seen snow, many mods. \$7,000/negotiable. 446-9622.

GMC S15 P/U TRUCK, 1987 - 4 spd/4 cyl., a/c cap, ladder rack, tonneau cover. Great work truck, asking \$1,250. 599-3010.

GMC 2500 4X4, 1987 - new tires, exhaust, radiator & more, cd player, auto trans: runs strong, asking \$4,500. 401-348-8532.

HONDA ACCORD, 1987 - 5 spd, 2dr hatchback, 167k, runs great, many new parts, \$1,200 or best offer. 464-8591.

JEEP WRANGLER RIO GRANDE, 1995 - 50k, 5 spd, am/fm cassette, hard top. \$11,250 or best offer. 440-2760.

NISSAN SENTRA, 1985 - 4dr, sedan, 5 spd manual, sun roof, second owner, needs work, for repair or parts, \$400 or best offer. 464-2258.

PONTIAC MONTANA, 1999 - 8 passenger mini van, loaded, class 3 tow package, beautiful vehicle. 647-3628.

SUBARU FORESTER L, 1998 - 5 spd, 27k, cold weather package, dust deflector, white with grey cloth interior, non-smoker, like new, \$17,900. 447-3834.

SUBARU LEGACY WAGON, 1991 - fwd, new timing belt, ac and am/fm stereo cassette. Remote starter, ps, pw, pl, automatic 119k, \$3,395. 437-1110.

VOLKSWAGON GOLF, 2000 - 8700 miles, 6 disk cd player, a/c, black on black, perfect condition, \$14,500. 445-1486.

VOLKSWAGON JETTA, 1995 - like new, 53K, dark green, moon roof, auto, air, new brakes, tires and exhaust, Thule racks, \$8,700. 401-397-6052.

AUTO PARTS

CAR DOLLY - with lights & brakes, \$500. 443-0634.

NISSAN TRUCK/PATHFINDER - 1990 Service manual and Chilton 1989-95 repair manual. Paid \$100, asking \$50 or best offer. Brand new books. 599-3010.

TIRES - (2) Pirelli P300 P185/65R15 (touring), never mounted. \$20 pair. 464-2118.

TIRES - (4) 33 x 12.5 R x 16.5, Armstrong Desert Dog tires, 80% tread on 8 lng white wagon wheels, \$450. 423-3797.

TRUCK CAP - fiberglass, fits S-10 longbed or equal. Sliding side & cab pass-through windows, locks, very good condition, \$295 or best offer. 572-0443.

BOATS

COLUMBIAN 15FT RUNABOUT - with 1987 EZ loader trailer and 1983 Mercury 80 hp outboard. Boat and motor redone 8 years ago. Motor runs rough, \$900 or best offer. 376-5406.

SILVERTON "78" F.B. CRUISER - new engine 1994. Less than 100 hrs, Loran, VHF Bamioli and others too numerous to mention, \$11,00 or best offer. 445-2783.

KAYAK, PRIJON TAI-FUN - high volume whitewater Kayak for large person, up to 6ft 4in. Skirt, air bags, etc. \$400 or best offer. 464-6922.

COMPUTERS

APPLE - computer, PowerMac 6500 with 17" color monitor. 300MHz, 128MB RAM, 6GBHD, 24X CD-ROM, Zip Drive, 56K modem, Office 98 & more. Must sell, \$800. 449-6966 after 4:30 p.m.

FURNITURE

DINING ROOM TABLE - and 6 chairs, solid maple. 6 ft long opens to 8 ft., \$350. 401-782-3642.

HOOVER WALL UNIT - 3 pc, dark oak, 76" h x 32" l x 18" d each, lighted, shelved & enclosed w/desktop, \$600. 535-8564.

PINE BEDROOM SET - queen size headboard and footboard, night stand, triple dresser and mirror, 5 drawer chest, excellent condition, \$250. 739-0739.

PINE WATERBED - bookcase headboard and four large drawers beneath, \$200 or best offer. 235-6481.

MISCELLANEOUS

AMERICAN GIRL DOLL - clothes & furniture, Fisher Price doll house, wooden doll cradle, child's

Classified

rocking chair, Mickey Mouse earrings, children's books, child's rocking chair, flower girl's gown. 401-596-5788.

BODY BY JAKE - AB & back plus machine with video tape, best offer. 599-2089 after 5:00 pm.

CLARINET - Bundy, good condition, \$100. 859-3399 9:00 am - 9:00 pm.

CORDWOOD SAW - belt driven, free standing, large table, 30 inch blade, excellent condition, \$650. 423-3797.

DOOR - exterior steel pre-hung, 36" wide, \$60. 401-322-4096.

ENERGY KING WOOD BURNING STOVE - with glass viewing door, original \$1,200, asking \$825. 599-2052.

EXERCISE BIKE - \$30 or best offer. Also have an entertainment center for sale, best offer. 447-0374.

FISH TANK - 1000 gallon deluxe tank with cabinet, complete saltwater set-up, \$1,200. 443-1856.

HARDWOOD FLOOR - pre-finished red oak. Over 120 square feet left over from large installation by Pillar Floors. Tongue & groove, easy to install, \$300. 447-1793.

HOUSE CLEANING - Insured and bonded, competitive rates. 449-1447 ask for Chris.

LADDER RACK - for full size pickup, 12ft with swing out rear bar, \$150. 401-333-9817.

LARGE PLANTS - Perennials; Purple Asters, Astilbe, Moonbeam Coriopsis, \$5 each. 443-0634.

MOUNTAIN BIKE - GT Rebound ('99), 26" wheels/15" frame, Shimano shifting, v-brakes, Rockshox fork, bar ends, toe clips, \$325/neg. 739-7717.

SAFARI TANDUM BIKE - 18 speed, used 2 times, original \$900, asking \$500. 599-2052.

SCOOTER - Child's BMX scooter with handbrake, \$40. 401-348-9133.

SHOTGUN SHELL RELOADER - 12 gage Texan fw. Great for trap/skeet shooting, greatly reduces cost, \$150 or best offer. 464-6922.

SLIDE TROMBONE - B6 (B-flat), Conn Director Series w/case, \$100 or best offer. 537-5660 after 5:00 pm.

SPEAKERS PAIR BOSE - 501 series IV, cabinet type, excellent condition and 50 ft. of monster cable, asking \$250. 599-0754 after 5:00 p.m.

STAR WARS 8 TRACK TAPE - Tonka Toy dune buggy, metal Tonka truck, large metal wagon, 2 stuffed chairs, draperies, knitting & crocheting books, new bridal veil, crutches, lamps. 401-596-5788.

STORAGE UNIT - 5 ft. x 10 ft. 3 months, Flanders road, Mystic, \$226 value for \$100. 439-8743.

TELEPHOTO LENS - 135 mm f/2.8, in original box. Fits Olympus, Canon, Minolta, \$50. 443-0590.

TIRES ON RIMS - (4) 185/60R14, \$150; calorie counting exercise machine, \$150; student desk, \$50; maple coffee table, \$50; hinge top table, \$40. 447-1205 leave message.

TRACTORS - 1960 porter cable & moto mower. New 8 hp b.s., snowplow, deck, owners manual, all three \$800. 848-3766.

WOOD CHIPPER - electric, \$50; arc-welder, 115 vac, 50 amp, \$45; kerosene heater, 18,000 btu, \$50; wooden wardrobe, \$25; safe, \$50. 536-1347.

WOODSTOVE - Nashua Allnighter, holds up to 18 inch logs, excellent condition, \$700. 536-8063.

MOTORCYCLES

DALSMAN, 1972 - 125 collectors item, must sell, \$400 or best offer. 401-397-5066

HARLEY DAVIDSON SPORTSTER, 1999 - 883 w/extras, 1k, \$7,800. 664-4015.

HONDA CR125, 1987 - newly rebuilt, must sell,

\$800 or best offer. 401-397-5066.

HONDA SABRE VG750S, 1982 - liquid cooled, V-four, shaft drive, new tires, runs good. Also have Honda line fairing, luggage rack, and manual; \$800. 445-5251, ask for Earl.

REAL ESTATE

BAHAMAS - time share, 31 floating red weeks, CLUB LAND 'OR, \$7,500 or best offer. 535-8564.

GROTON, CT - 1 bedroom condo, 1st flr. Includes washer, dryer, a/c and basic. No pets, utilities extra, \$700 and security. 444-1042.

MYSTIC, CT - 3 bedroom, 2 1/2 bath Colonial; LR, FR, FP, formal dining rm, deck, 2-car garage, cul-de-sac, .68 acre, pre-inspected, \$249,495. 536-6746.

STERLING, CT - 3 bedroom ranch on 3.26 wooded acres. Oil heat, wood stove, paved driveway, deck, quiet neighborhood, asking \$124,900. 564-4855.

UNCASVILLE, CT - House for sale by owner, custom built ranch, 2 bedrooms, family room, 2 baths, 2 fireplaces, all appliances, deck and shed/workshop, landscaped 100 ft x 200 ft; \$123,900. 848-7332

WATERFORD, CT - mobile home, 2 bedroom, 1 bath, cathedral ceilings in living room & kitchen, central air, new water heater, low lot rent, \$21,900. 848-2281.

WANTED

FEMALE ROOMMATE - house with large yard in Jewett City. \$450 plus half utilities, use of kitchen, laundry, etc. 376-6831 after 5:00 pm.

INBOARD SKI BOAT - 1985 or newer. Ski Nautique, Centurion, Supreme, Malibu, Master, Supra or similar. Prefer fresh water use. 376-5406.

UTILITY TRAILER - other attachments for a garden tractor, 443-3166.

Software experts preparing for assessment

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is used to maneuver, control equipment, and provide information to shipboard personnel for training, maintenance and repair.”

Attaining SEI’s Level 3 is an important milestone for EB, because it demonstrates that the company is performing to industry standards while increasing productivity and reducing costs, she said.

Prize winning logo



This year’s winner of the Electric Boat Employees Community Services Association’s logo contest and a \$1,000 U. S. Savings Bond is sixth grader Katie Wilde, shown here holding her design. Her father, Clay Wilde, top left, is an engineer in Dept. 431. Also with Katie are her mother, Laura, and her brother, Tyler. The Community Services Association’s annual fund drive is rapidly approaching – this year it will run from Oct. 30 through Nov. 17.