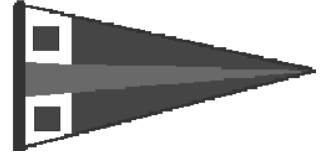




THE PILOT

SOUTH SHORE POWER SQUADRON, INC.

A UNIT OF THE UNITED STATES POWER SQUADONS®
DISTRICT 3, NEW YORK



May 2000

No. 5

VOL. 60

Squadron HOT Line: (516) 221-0221

- Call and share your opinion with us. It helps!
- If no one answers, please leave a message. We will respond.
- Call with any items of note for our squadron!

INTERNET:

Squadron Web Site: WWW.USPS.ORG/LOCALUSPS/SSPS/

Visit our Site directly using this address or visit the National Web Site and follow directions to get to our site!

National Web Site: WWW.USPS.ORG

NEXT PILOT ISSUE IS June, 2000.

Issue deadlines: May 31 for materials!

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HELP! Call, your Pilot Staff Needs YOU!

Awarded 1999 Excellence in
Journalism Award

2000 – 2001 SOUTH SHORE POWER SQUADRON BRIDGE OFFICERS

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Breaking NEWS!

Selective Availability Disabled

Submitted by Lt. James J. Hart, P

On May 1, 2000, President Clinton signed an executive order which ordered the removal of Selective Availability (SA) from the Global Positioning System (GPS). In effect, this change increased the normal accuracy of GPS from 100 Meters (328 Feet) with SA to 10 Meters (33 Feet). SA was turned off on May 2, 2000, at 0400 UTC.

This level of accuracy will be available 95% of the time. Due to inherent system limitations, predictable errors can be expected. These errors include:

- Errors in transmitting the position of the satellites,
- Errors in the transmitter's internal clocks,
- Atmospheric Effects (distortion on the signal)
- Multi-path errors (signals bounce off obstacles).

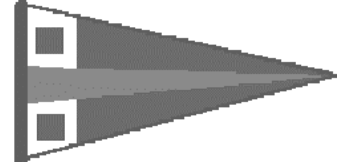
SA introduced randomized errors in the time used to calculate position. This had the effect of degrading the overall performance to 100 Meters (328 Feet). With SA disabled, errors are now reduced to 10 Meters (33 Feet). This means that most of our marked fixes, if done only with GPS, must be checked for accuracy and some may have to be redone. Your waypoints, as stored in your GPS, may be off, thanks to our greater accuracy.

In reality, this 10 meter error is acceptable for most applications. The Coast Guard requires this level of accuracy when using GPS to navigate within harbors. When fishing, wrecks and reefs are normally found by location using GPS, and then pinpointed through a depth sounder. When navigating, this accuracy would allow the Skipper to come close enough (within 10 Meters) to find charted waypoints on a cruise. In fog and limited visibility, this can help the skillful boater move toward safety.

Greater accuracy can be obtained by using a Differential Global Positioning System (DGPS) which introduces a local source which can add

another level of accuracy to the standard GPS. In those cases, using a precise, local signal, additional accuracy can be obtained.

When SA was enabled, DGPS eliminated the effects of SA and yield greater than 10 Meter accuracy.



How GPS works

GPS is a series of satellites that transmit signals which can be used to determine position to within a certain degree of accuracy. Your receiver uses information transmitted to calculate position. Like LORAN-C, and RADAR, the radio signals are used to generate a spherical line of position which, when combined with other signals or other lines of position from other satellites or ground-based systems, can be used to determine location. Unlike LORAN, this system of 24 satellites is available world-wide.

Each satellite transmits information. Your GPS receiver assembles the data and uses it to calculate position. Each satellite transmits:

- Digital identification of the satellite and information on the satellite's orbit,
- The corrected GPS System time,
- Other satellite Location corrections and update factors, and
- Other information used by the computer in your receiver needed to calculate the location of the receiver.

The calculation of your location uses these details to solve a series of equations that calculate the distance from at least 3 satellites to your receiver (using a modified form of 60 D ST Equation). The result is a position (expressed normally in Latitude and Longitude) which is considered to be accurate. However, this accuracy is not exact (with no error). It has errors that can mean that your position can be off by up to 10 meters.

TIME TO WORK ON YOUR PILOTING SKILLS

Submitted by P/C Earl Baim, JN

'Tis the season to get out on the bay and sharpen the piloting skills we learned in the classroom. Your Piloting Contest Committee is working on a kindly way to achieve that goal. GET IN THE PROGRAM as a skipper, observer or navigator. We promise

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you'll increase your enjoyment of boating as well as helping you to become a better seaman. Call Earl

Baim @ 221-4328

South Shore's Upcoming Events

NOTE: Please confirm any squadron dates with the contacts listed, since they may still be the tentative dates

	Date	Event	Description	Contact
June 2000	June 4 Sunday	Blessing of the Fleet	Blessing held beginning at 1000. Assemble at Guy Lombardo Marina. Use Channel 72 for coordination. Blessing Begins at 1045 Luncheon at 1200 at the Schooner Restaurant in Freeport	P/L/C James Howe, AP, 730 S. Long Beach Ave, Freeport, NY 11520 (516) 367-5068
	June 8 Thurs.	SSPS Executive Board Meeting	Meeting held at Guy Lombardo Marina , at the foot of Guy Lombardo Ave, Freeport, NY Begins at 2000 Sharp.	
	June 11	Zacks Bay Raft-up	Raft up to be held at Zacks Bay.	Lt. Marty Seconhouse, at (516) 623-4898
	June 15 Thurs.	SSPS Regular Membership Meeting	Meeting held at American Legion Hall , 2301 Penatiquit Ave., Seaford, New York. Begins at 2000 Sharp.	
	June 25	Commander's Cocktail Party	Party held at Guy Lombardo Marina at the foot of Guy Lombardo Avenue in Freeport. Begins at 1200. RSVP to CDR Ed Slonecki, AP, at (516)781-2421 by June 16	CDR Ed Slonecki, AP at (516) 781-2421
July 2000	July 14-16	Rendezvous East	Montauk Yacht Club, with other District 3 Squadrons Squadron Bus will be provided, watch for details!	P/C Hal Marschall, JN, at (516) 379-7405 or (516) 338-3610
	July 30	Bellmore Creek Raft-Up	Raft up to be held at Bellmore Creek	Lt. Marty Seconhouse, at (516) 623-4898
Aug 2000	Aug 11-12	Tri-District Rendezvous	Tri-district Rendezvous to be held at Liberty Landing in New York Harbor.	L/C George Jograj, AP at (516) 623-0483
	Aug 20	Garbage Cove Raft-Up	Raft up to be held at Garbage Cove	Lt. Marty Seconhouse, at (516) 623-4898

Look forward to this page for information in the coming months!!

Educational Involvement

Submitted by Lt/C Richard J. Bradle, FC
Squadron Educational Officer.

School is out and it is time to practice what we have learned. It is time

to Plot that course,
to Tie that knot or
to Plan that year's cruise.

I hope that you have some new skills from this year's Education Department to practice!

It is also time to think of new challenges. Why not learn a new piloting skill? Or how to understand a weather forecast? All this will be available this fall. Courses are still free. Just sign up and take a course.

Fill out the attached course request form and your education department will do the rest. That is what we're here for, to get you the courses you want.

We will be making up our Fall Educational Schedule based on the requests you, the squadron members, forward to me.

There will be additional opportunities this fall. If you would like to take a class which is not offered by South Shore Power Squadron, just log onto the District 3 Home Page. That page is:

<http://www.usps.org/localusps/d3/courses.html>

Check for the course you want to take. Call the contact Person and you're on your way.

SOUTH SHORE POWER SQUADRON

Cruises into "THE MILLENNIUM"
as it Invades **BERMUDA**

Aboard Celebrity Cruise Line **MV ZENITH**

Departure : 26 August 2000
Return : 2 September 2000

There will be a pre-cruise meeting with the cruise director to inform us of the complete itinerary, special amenities, services and cabin rates. Stay tuned for the pre-cruise meeting date, time and place.

INTERESTED: please get in touch with

Lt/C Edward Slonecki or 1st Lt Gloria Slonecki

They can be reached by phone at 516-781-2421 or email them at
southshore2000@hotmail.com

District 3 Summer Rendezvous

At Montauk
In Montauk Yacht Club

Weekend of July 14-16

**Make your Room and Boat Slip
Reservations NOW**

Call P/C Hal Marschall, JN
at 516-338-3610
for more information

The Pilot

<p>South Shore Power Squadron Educational Department Educational Survey and Questionnaire</p>
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**Please complete this questionnaire and return it to
LT/C Richard J. Bradle, FC
1782 Maurice Ave
East Meadow, NY, 11554**

I am a member in good standing and would like to become involved with education in the following ways:

Subject	Take Course	Teach Course	Proctor Course
Advanced Grades			
Seamanship	☐	☐	☐
Piloting	☐	☐	☐
Advanced Piloting	☐	☐	☐
Junior Navigation	☐	☐	☐
Navigation	☐	☐	☐
Electives			
Cruise Planning	☐	☐	☐
Engine Maintenance	☐	☐	☐
Marine Electronics	☐	☐	☐
Weather	☐	☐	☐
Sail	☐	☐	☐
Instructor's Qualification	☐	☐	☐
Basic Boating			
Basic Boating	☐	☐	☐
BoatSmart	☐	☐	☐

I have other skills, interests, or talents I would like to offer to the Educational Department or to the Squadron:

Name:	Telephone:	
Address:		
City:	State:	Zip:

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X c h a n g e

Welcome to the the **Pilot Xchange!** This is a place where you can place a free ad that will enable you to sell some of the stuff you are no longer using, and want to get rid of!

For Sale: 1986 Renkin 2052

20' Cuddy Cabin with Good Mechanics, Excellent Hull, New Seats, Clean Cabin, Needs Minor Cosmetic Work, Excellent Trailer with Electric Winch, Call Dave at (516) 735-0796

For Sale: Misc Boating and Fishing Supplies: Unused Prop

(Merc OB: 4865022A1 17P), Compass, Trailer Hitch, Small Anchors, Back Flusher, Battery Box, Bullhorn, Fenders, Gas Stove, Rain Gear,

Coleman Cooler, Chapman *Seamanship and Small Boat Handling*, Latham *Marine Engines and Equipment*, Tow Lines, Fishing Rods and Gear Contact Mrs. Sol Lehman (Pearl) at (516) 379-6910

WANTED: Your ad!! It could be here. What do you have to sell. Send your ads to Jim Hart at 434 Ray Street, Freeport, NY, 11520 to be included in next months issue. Due date is May 1, 2000

VESSEL SAFETY CHECK INFO

VSC WEB Page Available!

A web page for the VSC Committee has been established.
http://www.usps.org/national/vsc/vsc_main.htm

Message from the VSC Chairperson

While the VSC Program is in it's infancy, it is receiving enthusiastic support from nearly all Squadrons and Flotillas. The enthusiasm is going faster than we can get the Manuals, forms, reporting procedures etc. together. We are going as fast as possible and we are using existing Aux VE Manuals until our Manual is printed. Our Manual should be ready in June. (Fingers crossed and with follow ups)

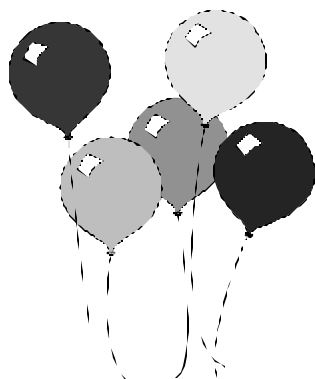
The test that should be used by USPS Members has been sent to Hdq. for copying and distribution to the DEOs. They in turn will distribute them to SEOs who will bear the responsibility for testing. This does not mean that USPS members cannot get certified with the existing test administered by a certified VE. Our test will have a few questions that pertain only to USPS. This is similar to the Aux's test that has questions that pertain solely to Aux members. The technical part is the same.

Our desire has been to get off to fast start and fix the inevitable glitches along the way. Much like computer software. We felt this was the best way especially since the Program has been running for 53 years with the Auxiliary.

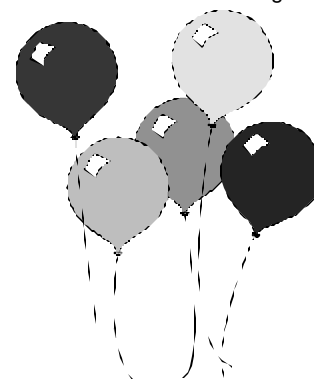
We will soon have the proper routing with names and it will be similar to the CoOp charting Program. The Squadron chairman will send the Inspection Forms to the District chair who in turn will forward it to Hdq. They in turn will enter the required information to produce the report and send the forms to the Auxiliary who will monitor the Program.

The "uniforms" or work outfit will be a red golf shirt with pocket and the USPS logo with USPS spelled out for name recognition. Above our logo will be the words "Vessel Examiner" The pants can be short or long khaki. The shoes will be any decent boat shoe but no flip flops or sandals please. A baseball cap with the USPS logo. Any jacket for our more Northern folks is fine. Incidentally, a belt without a buckle is suggested so you don't scratch anything. As soon as we work out the details the shirt will be available from the ship's store.

For more information or to join as an inspector, contact P/C Steve Burke, P or P/C Hal Marschall, JN.



Birthday Wishes



June Birthdays:

Lt/C James G. Nelson, AP	6/03
Douglas J. Mendez, P	6/03
Lt James H. Stewart, S	6/03
Giuseppe Incammicia, JN	6/03
Lt Vincent J. Gabriele, AP	6/05
Arnie J. Goodstein	6/06
D/CDR Edward F. Bauer, FC	6/09
Kenneth J. Kelleher	6/09
Les Morgenstein	6/10
Neil J. Dash	6/11
Brian H. Blades, JN	6/11
Marcel Gros	6/14
Jack Dasilva	6/15
Vanessa M. Cognard	6/15
Rocco Loccisano	6/17
George S. Vlanis	6/17
P/D/Lt/C Irving W. Buxton, FC	6/18
Stanley Stahl, AP	6/19
Nick Chiechi	6/22
Joseph Silver	6/24
Lt. Edward W. Wesche, AP	6/25
P/C Angelina D'Alonzo, AP	6/25
Nicholas P. Lenoci	6/25
Manuel B. Silva, S	6/27
Eugene I. Fox, AP	6/29

July Birthdays:

Fulgencio Bengochea, FC	7/01
Leonard J. Gisondo	7/02
Kenneth E. Moss, AP	7/07
Maureen Gallager	7/07
Lt/C. Richard Bradle, FC	7/09
Lt. Fred H. Cohen, S	7/09
Frederick A. Rees, N	7/09
STF/C. Wayne Spivak, JN	7/10
Henry Flerx	7/10
Stephanie E. Treiber, AP	7/12
Ronald Deane, P	7/13
Susan R. Walbrecker, P	7/16
Thomas J. Dunseath, P	7/18
Keith Galanti	7/19
Phil Rhoads, AP	7/19
Gloria Jankovic, P	7/21
Russell Bruno	7/22
P/C. Irving Smyle, AP	7/22
Lizandra Silva	7/24
Lt. James J. Hart, P	7/24
Celia R. Schmitt, P	7/26
Michael R. Green, FC	7/29
Peter Barniak	7/30
Bernard G. Marks, AP	7/31

Congratulations to these member who have birthdays during June or July.

If your birthday is not listed or is incorrect, please inform our Editor, Jim Hart. He will correct this on our list.

SOUTH SHORE POWER SQUADRON'S

BLESSING OF THE FLEET

4 JUNE 2000

LUNCH AT *THE SCHOONER* RESTAURANT

1000 Fleet assembles at GUY LOMBARDO MARINA CH. 72
1030 Depart for FREEPORT LANDING Review and Blessing
1045 Parade past THE COMMANDER and DIGNITARIES
1115 Commanders hospitality at THE COMMAND SHIP
1200 Lunch is served in the main dining room.

PLEASE DRESS ALL BOATS

CLASS "D" UNIFORM OPTIONAL

LUNCH RESERVATIONS BY 1 JUNE

MAKE CHECKS PAYABLE TO SSPS

\$ 20.00 Per PERSON

PLEASE send reservations to: P/Lt/C JIM HOWE
730 S. LONGBEACH AVE.
FREEPORT, NY 11520

Enclosed is \$ _____ for LUNCH for ____ People

Name _____ ---sit me with _____

I plan to bring my BOAT LOA _____ BEAM _____