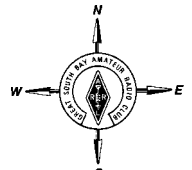


THE COMPASS



THE OFFICIAL NEWSLETTER OF THE GREAT SOUTH BAY AMATEUR RADIO CLUB

VOLUME 30 ISSUE 6

“..serving the community through Public Service.”

Jun, 2003

GSBARC 2003 OFFICERS

President: Walter Wenzel, KA2RGI
Vice Pres: David Wandell, N2UHR
Treasurer: Tom Carrubba, KA2D
Corr. Secretary: Scott Verity, KC2FBV
Rec. Sec: PattyLynn Wandell, KC2AUX
Director 1: Dom Stengele, WA2UJI
Director 2: Frank Spinazzola, KC2EGK
Director 3: Phil Lewis, N2MUN
Director 4: Charles Rousselet, N2MZK

UPCOMING EVENTS

GSBARC General Meeting – 8:00PM

Thursday Jun 26, 2003

Thursday Jul 31, 2003

Thursday August 28, 2003

GSBARC VE – 12:00 PM

No session in June – Field Day

Sunday Jul 27, 2003

Sunday August 24, 2003

GSBARC Board Meeting – 8:00 PM

Thursday Jun 12, 2003

Thursday Jul 10, 2003

Thursday August 14, 2003

GSBARC Open House 12:00 – 2:00PM

Every Saturday @ Town Hall EOC

NETS

Newsline Report -

Monday 7:00 PM 146.685/R

Club Info Net -

Monday 7:15 PM 146.685/R

DX/Contest Info -

Monday 7:15 PM 146.685/R

TOBARES Net -

Monday 8:15 PM 146.685/R

Swap 'n Shop Net -

Tuesday 7:30 PM 146.685/R

10 M Net -

Tuesday 8:00 PM 28.320

REPEATERS

2 M 146.685/146.085 PL 110.9

1 1/2 M 223.860/222.260 PL 131.8

70 CM 440.850/445.850 PL 114.8

70 CM 447.625/442.625 PL 114.8*

*Repeater owned by Chris Baumgartner, WA2AMX

President's Message

By Walter, KA2RGI

Field Day and Passings

As everyone knows the past month has been a month with many abnormal happenings occurring. First the weather has been below normal in temperature and wet enough to keep fish alive out side of their normal habitat. The month June was on track to be the wettest June in recorded history by the 15th of the month it was only about a inch short of the record.

Then there was the lost of some of the club's past and present membership and family and the ill health of others. Recently in passing we have Don, KB2CJ; Diane, KB2PZR; Carmine, WA2GYX; Frank, WB2TWL; Frank, K2LI's mother; Tom KA2D's mother in law. Our thoughts and best wishes go out to who lost members in their personal family and our GSBARC family. In ill health recently we have had Tom, KA2D; Dave, N2UHR; Bud, WA2QAV and a few others. This along with the downturn in the economy and some club members losing their jobs it has not been a half to 2003 so far for many.

Let's hope that the rest of the year will turn around for the best.

On to better things. This months General meeting will be on Field Day and the final preparations for our annual participation. We still have some open positions and because of some of the recent happenings are a little behind in preparation and having people assist before the event.

Some items will just have to be handled with little or no preparation on Saturday because of this. Other items have been handled already. Basically we are ready for Field Day and raring to go.

More details will be at the general meeting. See everyone there.

73

Walter, KA2RGI

Field Day 2003 Coordinators	
Equipment Preparation	KB2SIE / KA2RGI
Food Preparation	KA2RGI / N2UHR
Logs / Reporting	KA2D
Safety Manager	Position Open
Station Manager 1 – 80M	Position Open
Station Manager 2 – 40M	Position Open
Station Manager 3 – 15M	Position Open
Station Manager 4 – 20M	NY6DX
Station Manager 5 – 10M	Position Open
Station Manager – G.O.T.A.	Position Open
Emerg Pwr Management	N2CRV / KA2RGI
Natural Power	KC2FBV
Satellite Operations	K2JY
ATV Operation	W2FBB
VHF/UHF Operations	Position Open
W1AW Field Day Message	Position Open
NTS Msg. to ARRL SM/SEC	KA2RGI
Media Publicity	KC2FBV / KA2RGI
Information Booth	WA2UJI / KA2RGI
Equipment Take Down	Position Open

GSBARC VE Exam Schedule

May 25	Babylon Town Hall EOC – 12 Noon
June	NO VE - Field Day -6/28-6/29Babylon Town Hall
July 27	* New Tech Test eff. July 1 Babylon Town Hall EOC – 12 Noon
Aug 24	Babylon Town Hall EOC – 12 Noon
Sept 28	Babylon Town Hall EOC – 12 Noon
Oct 26r	Babylon Town Hall EOC – 12 Noon
Nov 23	Babylon Town Hall EOC – 12 Noon
December	NO VE - <i>Season's Greetings</i>

NEWS OF INTEREST

SWAP & SHOP

The Swap & Shop Net will be off for the summer till after Labor Day, although it may be up informally. If anyone would like to help with the Net during this time please contact Bud, WA2QAV at 631-643-7071 or send him an email: thebudman@woldnet.att.net.

CLUB APPAREL

Frank "Spin", KC2EGK has club apparel for sale. Please contact him for hats, jackets or shirts.

CLUB NET SCRIPTS

If anyone is interested in a copy of the basic 2 meter Monday night net script for GSBARC give Dave, N2UHR a call on w2gsb/r, home: 631-842-6340, or via email at : n2uhr@arrl.net

'73 de Dave, N2UHR!

Committee Chairpersons

Club Apparel –	Frank "Spin", KC2EGK
Club Station/Equip –	Walter, KA2RGI
DX/Contesting –	Tom, KA2D
Education –	Phil, N2MUN
Hamfest –	Walter, KA2RGI
Library –	Dom, WA2UJI
Membership –	Tom, N2MIG
Newsletter –	Walter, KA2RGI
Home page –	Tom, KA2D
DX Cluster –	Tom, KA2D
Repeaters –	Walter, KA2RGI
VE Sessions –	Tom, KA2D

Happy Birthdays For June Another year older, Another year smarter

Leanord D. **K2CDS**
 Lenore D. **N2KYP**
 Donn E. **N2TBH**
 Julius N. **KC2CSL**
 Bero P. **KA2DZR**
 Joann R. **N2TBG**
 Joe S. **AE2I**
 Otto V. **KB2MBZ**

. if your birthday is not listed we may not have all the info in our database

MINUTES OF THE GENERAL MEETING BABYLON TOWN HALL EOC LINDENHURST, NY

Thursday May 29, 2003
called to order by KA2RGI at 8:03 PM

BOARD MEMBERS PRESENT

President	KA2RGI	Walter Wenzel
Vice President	N2UHR	Dave Wandell.
Recording Secretary	KC2AUX	PattiLynn Wandell

Corresponding Sec. KC2FBV Scott Verity
Director 1 WA2UJI Dom Stengele
Director 2 KC2EGK Frank Spinazzola

BOARD MEMBERS NOT PRESENT:

Treasurer KA2D Tom Carrubba
Director 3 N2MUN Phil Lewis

ADDITIONAL MEMBERS PRESENT:

N2GBM, N2PIK, , WA2QAV,

RECORDING SEC. REPORT:

PattiLynn, KC2AUX
Dave, N2UHR made a motion to suspend with the reading of the previous months minutes, and accept them as published. Pete, N2GBM seconded the motion. Motion was accepted by majority of members present.

CORRESPONDENCE SEC. REPORT:

Scott, KC2FBV
Bank CD Statement, Dues Renewals, HOSARC flyer : Hamfest June 1st. Club equipment insurance policy for 2003.

TREASURER'S REPORT:

Tom, KA2D
Checking: \$2907.70
CD: \$2785.97
Grand total of all funds: \$5693.67
This includes the May hamfest proceeds and CD interest.

APPAREL:

Spin, KC2EGK
Club apparel has been ordered

CLUB STATION & EQUIPMENT:

Walter, KA2RGI
Nothing new to report

DX & CONTESTING:

Tom, KA2D
For current DX bulletins check in to KA2D-8 on 145.07
Also check into W2GSB DX Cluster. Tom has purchased a used TNC for the DX Cluster.

EDUCATION:

Phil, N2MUN
3 Weeks remain for the General Classes.

FIELD DAY JUNE 28-29, 2003:

Doug, KB2SIE
Needs more committee personnel to help check out Field Day equipment. Equipment checks will be done during "OPEN HOUSE" on Saturday's unless otherwise requested. A new category "F" has been added (working out of EOC). N2UHR will be station manager for 80M, See April's Compass for additional info.

HAMFEST:

Walter, KA2RGI
Sunday May 25th was a success, weather held out. Gene of KJL had car trouble and a few other vendors were missing. Total proceeds were \$981.00.

LIBRARY:

Dom, WA2UJI
Nothing new

MEMBERSHIP:

Tom, N2MIG
Members are asked to submit their email address if they have one. Your email address will be added to the roster.

NETS:

News line: MP3 format working, has better quality.
2-meter club info net: needs person for DX report, also needs backup net control. Now will start at 7:30pm
Swap -n- Shop: All Good.
10 meter net: All good

NEWSLETTER:

Gene, KB2TXZ
Deadline for submissions to the newsletter is the 10th of the month. New editor of the newsletter will be KB2TXZ(Gene).

HOMEPAGE/ WEBSITE/ DX-CLUSTER:

Tom, KA2D GSBARC
is back on line and updated, DX Cluster running OK after the replacing of the TNC.

REPEATERS:

Walter KA2RGI
4 new antenna's mounted on new tower
144: will be relocated to main building
220: will be online in a day or so
440: no change
Polyphasers are not in yet.

VE SESSIONS:

Tom, KA2D
2003 Test Fee is \$12.00. There is no VE test session in June Next VE test session will be held on July 27th at Town Hall

SPECIAL COMMITTEES:

Nothing to report

ARES/RACES:

Walter, KA2RGI
June 7& 8 is the 24 Hr. Remembrance Walk for Good Samaritan Hospital Hospice, Saturday 11 A.M. to Sunday 11 A.M.

HEALTH & WELFARE/ANNOUNCEMENTS:

We are sad to report the passing of KB2CJ, Donald Molinari earlier this month. AB2JW recovering after angioplasty. KA2D thanks everyone for their well wishes.

OLD BUSINESS:

Nothing to report

NEW BUSINESS:

Nothing to report

A motion to adjourn was made @ 9:00PM by KA2RGI and seconded by N2UHR. Respectfully submitted by: PattiLynn, KC2AUX



**GREAT SOUTH BAY AMATEUR RADIO CLUB
MINUTES OF EXECUTIVE BOARD MEETING**

Thursday June 12, 2003

Location: Babylon Town Hall EOC,
Lindenhurst NY

Meeting called to order by KA2RGI at 8:15 PM

BOARD MEMBERS PRESENT:

President	KA2RGI	Walter Wenzel
Corresponding Secretary	KC2FBV	Scott Verity
Director	WA2UJI	Dom Stengele
Director	N2MZK	Charles Rousselet
Director	KC2EGK	Frank Spinazzola
Director	N2MUN	Phil Lewis

BOARD MEMBERS NOT PRESENT:

Vice President N2UHR David
Wandell
Treasurer KA2D Tom
Carrubba
Recording Secretary KC2AUX
PattyLynn Wandell

OTHER CLUB MEMBERS PRESENT:

WA2QAV Bud, KB2SIE Doug

TREASURER'S REPORT:

\$2905.20 in checking account
\$2785.97 in CD
\$5691.17 Total

Paid out: eHam \$25.00, QSL Net \$25.00,
monthly service charge \$7.50

MEMBERSHIP:

CORRESPONDENCE: KA2D reported sending
various e-mails.

NETS:

2 Meter Net:
10 Meter Net:
Swap n Shop: WA2QAV reported that the net
will be going on hiatus during the summer
months. It may be brought up if the need
warrants. Additionally, any member who
wishes to bring up the net during the
summer is encouraged to do so.

EDUCATION:

N2MUN reports the completion of the General
Class and announced that he will hold a
General Class Review Class on Tuesday July
22nd, 2003. It will run from 7:30pm until
9:30pm.

GUEST SPEAKERS AND PROGRAMS:

There are no speakers scheduled at this
time. Everyone is encouraged to suggest
speakers for future meetings.

COMPASS:

WEB PAGE:

KA2D says the page has been updated.

CLUB STATION & EQUIPMENT:

PolyPhaser order will ship to Walter KA2RGI
on 6/13. These parts were on back order for
over a month. They were order from Davis
RF, the club gets a 10% discount from Davis
RF. GSB will make payment upon receipt of
invoice.

A used KPC-9612 TNC was purchased for the
W2GSB DX Cluster.

KA2D will be reimbursed for the cost
(\$133.00) by club funds previously allotted
for this purpose.

LIBRARY:

WA2UJI reports that there is nothing new.

APPAREL:

KC2EGK has club t-shirts available in
various sizes. Club jackets are available
for order. For additional information,
please see KC2EGK.

REPEATERS: Please see CLUB STATION &
EQUIPMENT

DX & CONTESTING:

For current DX bulletins check in to KA2D-8
on 145.07
Check in into W2GSB DX Cluster.
Solar flare activity currently has the
bands in an up & down state.

VE SESSIONS:

There will be no JUNE VE Session due to
Field Day.
The next VE session is scheduled for July
27.
Please take note that a new tech test will
be in effect July 1, 2003.

ARES/RACES:

HEALTH & WELFARE:

According to recent stress test, KA2D has
suffered a mild heart attack. He is going
for angiogram on Monday June 16 at Winthrop
University Hospital. Treatment is unknown
at this time. He will be off line until
further notice.

N2UHR's Father celebrates his 75th
birthday.

**ADDITIONAL NOTE As of Friday, June 13th,
2003**

Dianne Sherwood KB2PZR has recently
suffered a cerebral aneurysm. Dianne is in
a hospital in Pennsylvania. As of last
report, she has been unresponsive.
Our heartfelt support goes out to both
Dianne KB2PZR & husband Dick N2NGF.
No further details are available at this
time.

FIELD DAY 2003:

KB2SIE is the coordinator for Field Day
2003. At this time, we are pleased to
report that the Boy Scouts will be back to
join us this year.
At this time, there are still openings
available for station captains, etc. Any &
all members are encouraged to volunteer.
Set-up begins Saturday, June 28th at 7am.

NEW BUSINESS:

WA2QAV suggested that the club should
consider getting additional rigs for club
use on Field Day. This would minimize the
need for members volunteer personal
equipment & haul it around needlessly.
Various rigs were suggested (including the

Kenwood TS-570 and the Yaesu MP-1000 models). It was suggested that possibly getting 2-3 rigs of the same make would ensure familiarity among club members. Discussions followed. WA2QAV will be looking into this matter further and will report his findings at a future meeting.

Members should take note that the Kenwood TS-570 is a quality workhorse. We currently have one serving in our club station.

N2MUN suggested that the club look into a club computer to further augment the club station. This would facilitate not just logging but the ability to use various digital modes on site including APRS, ATV, packet, etc. It was also noted that a properly equipped computer would serve as a valuable hands-on learning tool for future amateur radio classes. Discussions followed.

KA2RGI noted that a computer for amateur radio use need not be the state-of-the art. He will look into what kind of computer can be obtained with an estimated budget of approximately \$200.00 and will report his findings at a future meeting.

Discussions also followed regarding possibly using a tower in conjunction with a crank-up tower from SK K2EAX William

"Clem" Query's estate. A portable tower would provide the club with a valuable tool to further our effectiveness as an emergency communications organization. This tool would prove valuable to almost any event (Field Day, Marathons, Hamfests, Emergency use, etc.) More information will follow on this matter at a later date as it becomes available.

OTHER BUSINESS:

UPCOMING EVENTS:

August 02 2003 KA2RGI Block Party
August 16/17 2003... Lighthouse Weekend
August 23 2003..... GSBARC/TOBARES Picnic

A motion to adjourn was made by N2MUN and seconded by WA2QAV. The meeting was adjourned at 9:10 PM

*Respectfully submitted by Scott Verity
KC2FBV
For Corresponding Secretary PattyLynn
Wandell KC2AUX*



.A short Biography of Nikola Testa

TESLA, NIKOLA

(b. July 9/10, 1856, Smiljan, Croatia--d. Jan. 7, 1943, New York City), Serbian-American inventor and researcher who discovered the rotating magnetic field, the basis of most alternating-current machinery. He emigrated to the United States in 1884 and sold the patent rights to his system of alternating-current dynamos, transformers, and motors to George Westinghouse the following year. In 1891 he invented the Tesla coil, an induction coil widely used in radio technology.

Tesla was from a family of Serbian origin. His father was an Orthodox priest; his mother was unschooled but highly intelligent. A dreamer with a poetic touch, as he matured Tesla added to these earlier qualities those of self-discipline and a desire for precision.

Training for an engineering career, he attended the Technical University at Graz, Austria, and the University of Prague. At Graz he first saw the Gramme dynamo, which operated as a generator and, when reversed, became an electric motor, and he conceived a way to use alternating current to advantage. Later, at Budapest, he visualized the principle of the rotating magnetic field and developed plans for an induction motor that would become his first step toward the successful utilization of alternating current. In 1882 Tesla went to work in Paris for the Continental Edison Company, and, while on assignment to Strassburg in 1883, he constructed, in after-work hours, his first induction motor. Tesla sailed for America in 1884, arriving in New York, with four cents in his pocket, a few of his own

poems, and calculations for a flying machine. He first found employment with Thomas Edison, but the two inventors were far apart in background and methods, and their separation was inevitable.

In May 1885, George Westinghouse, head of the Westinghouse Electric Company in Pittsburgh, bought the patent rights to Tesla's polyphase system of alternating-current dynamos, transformers, and motors. The transaction precipitated a titanic power struggle between Edison's direct-current systems and the Tesla-Westinghouse alternating-current approach, which eventually won out.

Tesla soon established his own laboratory, where his inventive mind could be given free rein. He experimented with shadowgraphs similar to those that later were to be used by Wilhelm Röntgen when he discovered X-rays in 1895. Tesla's countless experiments included work on a carbon button lamp, on the power of electrical resonance, and on various types of lighting.

Tesla gave exhibitions in his laboratory in which he lighted lamps without wires by allowing electricity to flow through his body, to allay fears of alternating current. He was often invited to lecture at home and abroad. The Tesla coil, which he invented in 1891, is widely used today in radio and television sets and other electronic equipment. That year also marked the date of Tesla's United States citizenship.

Westinghouse used Tesla's system to light the World's Columbian Exposition at Chicago in 1893. His success was a factor in winning him the contract to install the first power machinery at Niagara Falls, which bore Tesla's name and patent numbers. The project carried power to Buffalo by 1896.

In 1898 Tesla announced his invention of a teleautomatic boat guided by remote control. When skepticism was voiced, Tesla proved his claims for it before a crowd in Madison Square Garden.

In Colorado Springs, Colo., where he stayed from May 1899 until early 1900, Tesla made what he regarded as his most important discovery-- terrestrial stationary waves. By this discovery he proved that the Earth could be used as a conductor and would be as responsive as a tuning fork to electrical vibrations of a certain frequency. He also lighted 200 lamps without wires from a distance of 25 miles (40 kilometres) and created man-made lightning, producing flashes measuring 135 feet (41 metres). At one time he was certain he had received signals from another planet in his Colorado laboratory, a claim that was met with derision in some scientific journals.

Returning to New York in 1900, Tesla began construction on Long Island of a wireless world broadcasting tower, with \$150,000 capital from the American financier J. Pierpont Morgan. Tesla claimed he secured the loan by assigning 51 percent of his patent rights of telephony and telegraphy to Morgan. He expected to provide worldwide communication and to furnish facilities for sending pictures,

messages, weather warnings, and stock reports. The project was abandoned because of a financial panic, labour troubles, and Morgan's withdrawal of support. It was Tesla's greatest defeat.

Tesla's work then shifted to turbines and other projects. Because of a lack of funds, his ideas remained in his notebooks, which are still examined by engineers for unexploited clues. In 1915 he was severely disappointed when a report that he and Edison were to share the Nobel Prize proved erroneous. Tesla was the recipient of the Edison Medal in 1917, the highest honour that the American Institute of Electrical Engineers could bestow.

Tesla allowed himself only a few close friends. Among them were the writers Robert Underwood Johnson, Mark Twain, and Francis Marion Crawford. He was quite impractical in financial matters and an eccentric, driven by compulsions and a progressive germ phobia. But he had a way of intuitively sensing hidden scientific secrets and employing his inventive talent to prove his hypotheses. Tesla was a godsend to reporters who sought sensational copy but a problem to editors who were uncertain how seriously his futuristic prophecies should be regarded. Caustic criticism greeted his speculations concerning communication with other planets, his assertions that he could split the Earth like an apple, and his claim of having invented a death ray capable of destroying 10,000 airplanes at a distance of 250 miles (400 kilometres).

After Tesla's death the custodian of alien property impounded his trunks, which held his papers, his diplomas and other honours, his letters, and his laboratory notes. These were eventually inherited by Tesla's nephew, Sava Kosanovich, and later housed in the Nikola Tesla Museum in Belgrade. Hundreds filed into New York City's Cathedral of St. John the Divine for his funeral services, and a flood of messages acknowledged the loss of a great genius. Three Nobel Prize recipients addressed their tribute to "one of the outstanding intellects of the world who paved the way for many of the technological developments of modern times." (I.W.H.)

BIBLIOGRAPHY.

Inez Hunt and Wanetta W. Draper, *Lightning in His Hand: The Life Story of Nikola Tesla* (1964), is a complete, authoritative, nontechnical biography. Nikola Tesla Museum, *Nikola Tesla 1856-1943: Lectures, Patents, Articles* (1956), contains authentic reprints, diagrams, lectures, and considerable detailed information. Nikola Tesla, *Experiments with Alternate Currents of High Potential and High Frequency* (1904), furnishes Tesla's own story of his Colorado experiments.

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