

TREASURE TALK

CENTRAL FLORIDA METAL DETECTING CLUB

APRIL 2002

CLUB'S WEB SITE-----<http://www.geocities.com/g8r81/cfmdc.html>

Central Florida Metal Detecting Club meets the 2nd Friday of each month at 7:30 p.m. The club meetings are held at the Sanford Garden Club building. For directions and other information call Ray Leist----386-428-3401

Presidents

Corner

IF YOU DID NOT RECEIVE THIS NEWSLETTER, IT IS BECAUSE YOU DID NOT PAY YOUR DUE'S.

Lonna called me on March the 26th and said that she could not get to the airport and make her flight. You have to know that where she was is 320 miles to the airport she was flying out of. So Ray gets the car ready and leaves Friday March the 29th and drives 1700 miles in two days to get her. Isn't love grand.

We are heading into the good o'l days of summer. So this means more beach and park hunts. Our club had a hunt on March 16th at a farm east of Sanford.

The owner farms vegetables and used to grow strawberries but said it was not profitable any more. We had about 16 show up and after about 10 minutes it seemed everyone was at the west end of

the property where the only shade trees were. I don't know exactly what was found but heard some older coins and some military items were found. I left and came back by about 2 hours later and there was still 2 die hard's there. Our overnight camp out and hunt will be on April 27th and 28th. It will be real interesting. I have something different I am sure you are going to enjoy. This outing will be over toward the west coast of Florida. The cost for the two days and three meals and all the metal detecting you want to do is only \$40 per person. More details at the April club meeting.

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We need to remember those on our do better list - Don Hurtig is still having leg trouble. Mark Condren, my nephew, is as I am writing this newsletter coming back to the States. Sue Rainey has had some health problems. Robert Alexandra has a tumor on his liver and is now at John Hopkins. I have been told our prayers really do help those that need it. If you know of someone who needs to be remembered let me know. I know that your thoughts and prayers help these people. Give them a call or send them a card. If we haven't seen your face in a while, we have missed you. We will see you at the next meeting and don't forget "bring a stranger".

President

Ray Leist.

IN MEMORY OF PEG WALKER.

Peg had been a long and faith full member of Central Florida Metal Detecting Club. She passed away at her home with her grand children. She will be missed by all and especially our club members.

Treasure hunters code of ethic's

I Will not treasure hunt on private property without permission of the owner.

I Will not destroy historical sites, private or public property.

I Will not tamper with signs, structures or equipment.

I Will appreciate and protect our heritage of natural resources and private property.

I Will fill all my dug holes, remove and properly dispose all trash that I find.

I Will leave the property the same as I found it.

I Will assist law enforcement, government agencies and private citizens as needed.

I Will not litter-----

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Central Florida Metal Detecting Club Officers

PRESIDENT-----RAY LEIST-----386-428-3401

VICE PRESIDENT-----AL MILLS-----352-365-2583

2ND VICE PRESIDENT-----BILL SHACKELFORD-----407-323-2954

TREASURER-----LONNA LEIST-----386-428-3401

SECRETARY-----CHUCK HOSBEIN-----407-323-3971

Find of the Month Custodian----- ROB LOUCKS-----407-896-1019

Prize Table Guardians-----FRED SCHIMMEL-----407-277-5417

NAN SCHIMMEL

Refreshment Attendants-----LONNA LEIST-----386-428-3401

Club Photographer-----RALPH FLIPPO-----904-322-4930

Editor in Chief-----RAY LEIST-----386-428-3401

Secretary's Report For March Meeting

Submitted by Chuck Hosbein

The March meeting of the Central Florida Metal Detecting Club was called to order at 7:40 p.m. by club president Ray Leist. The meeting was opened with Bill Shackelford leading the club members with the Pledge of Allegiance.

The joke of the month for March was about a little old lady in a nursing home who went around discussing super sex and a man in a wheel chair who decided on the soup.

We had several guests at the meeting and they were recognized as well as everyone celebrating birthdays and anniversaries during March.

Secretary's and Treasurer's reports were read and accepted. The closing bank balance for the month of March was \$1412.27

Ray discussed his challenge program in more detail this month. He had a book with every members personal sheet of items to check off. Ray also showed samples of the various certificates to be given out at each level. Most of the items will be on the honor system but some of the items will need to be documented. Since the challenge started at the beginning of the year, do not check off items found before then.

We had two guests at the meeting who provided entertainment for the club. The guests were introduced by Doug Melvin. They were from the Laughter Society which meets in Deland. George Terrell played several old favorite songs that most of the club members sang along with. Buddy Raines had lots of jokes which he told the club and everyone had a good laugh.

There are several hunts scheduled over the next couple of months. The club will have a hunt on Sunday March 10, in the Sanford area. Members were asked to meet at the auto auction on S.R. 46 by 12:40 p.m. for

the hunt. The Grant hunt is scheduled for March 16th and will cost \$45. Several of our members are planning on going. We will also be having an overnight hunt on April 27th and 28th in the Tampa area. The cost of the hunt is \$40 per/per and includes three meals and all of the hunting you can do.

Ray also read a letter about a hunt in Russia that is looking for volunteers. The letter was from a couple of archaeologists in Russia. Additional information was available at the meeting.

Frank Haas brought in a metal detector he wants to sell for a friend. If anyone is interested, contact Frank.

The meeting was adjourned at 9:15.

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Finds of the Month (MARCH, 2002)

SINGLE COIN= GLEN HANSON

1795 Spanish coin

GROUP COIN'S== GLEN HANSON

1700's Spanish Coins

SINGLE JEWELRY== CHUCK

PASTORE== 1981 Class Ring

GROUP JEWELRY= GEORGE ALLEN

Gold bracelet, earrings ect.

SINGLE ARTIFACTS= NO ENTRY

Where was David?

GROUP ARTIFACTS= NO ENTRY

Again Where was David?

SINGLE ODDS/ENDS= DOUG MELVIN

"BIG O' L POT.

GROUP ODDS/ENDS= RON DeVARY

Golf club misc. items.

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Bank night drawing was for \$25 and Rob Loucks was the lucky winner. You have to be here to win.

"MIS-QUOTES"

The moon is a planet, just like earth, except deader.

A magnet is something you find in a bad apple.

To stop a nosebleed, put the nose lower than the body.

HISTORY OF THE METAL DETECTOR

Metal detectors have been around much longer than most people think. Towards the end of the 19th century, many scientists and engineers used their growing knowledge of electrical theory in an attempt to devise a machine which would find buried metal. The use of such a device to find ore-bearing rocks would give a huge advantage to any miner who used it. The German physicist Henrich William Dove invented the induction-balance system, which was incorporated into metal detectors a hundred years later. Early machines were crude and used a lot of battery power. They only worked to a very limited degree. The Scottish Physicist, Alexander Graham Bell used such a device to attempt to locate a bullet lodged in the back of American President James Garfield in 1881.

The modern development of the metal detector began in the 1930's. Dr. Gerhard Fisher developed a system of radio direction finding, which was to be used for accurate navigation. The system worked well, but Dr. Fisher noticed that there were anomalies in areas where the terrain contained ore-bearing rocks. So if a radio beam could be distorted by metal, then it should be possible to design a machine which would detect metal, using a search coil resonating at a radio frequency. In 1937 he applied for and was granted the first patent for a metal detector. His designs were soon put to the test in a practical way, as they were used as mine detectors during the Second World War. They were heavy, ran on vacuum tubes and needed separate battery packs- but they worked. After the war there were plenty of surplus mine detectors on the market and they were bought up by relic hunters who used them

for fun and profit. Thus the hobby of metal detecting had begun. Many manufacturers of metal detectors brought their own ideas to the market. White's Electronics of California began in the 1950's by building a machine called the Oremaster Geiger Counter, and are still at the leading edge of detector innovation today. Another leader in detector technology was Garrett Electronics who pioneered the BFO (Beat Frequency Oscillator). With the invention and development of the transistor in the 50's and 60's, metal detecting manufacturers and designers made small lighter machines with improved circuitry, running on small battery packs. The metal detector was reduced to a size that even a child could use and use them they did. Fabulous finds were made, prehistoric gold ornaments, chests of Roman coins, jeweled daggers and all types of metal artifacts were coming out of the ground. Suddenly there was a huge demand for those early electronic magic wands which might make a man rich overnight. Companies sprang up all over the USA and Britain who wished to supply the growing demand. Small companies came and went but some of the larger companies held out. Some of these manufacturers were GOLDAK, METROTECH, IGWT, TEC and ARADO. These manufacturers also could not stay in business. Some metal detectorists still treasure their ARADO machines which were difficult to set up but were reputed to be the deepest seeking hobby detectors ever made. The biggest change to metal detecting was the development of the induction balance system, where two coils are set up in an

electrical equilibrium to produce a null or zero balance. Introducing metal to the vicinity of the coils caused them to unbalance, producing a change of tone in the machines speaker. Scientists knew that each metal has a specific response. This meant that detectors could now be set up to ignore unwanted metals and respond only to desired metals. The downside to discrimination meant that detectors now did not find those deeper signals. There was also the fact that some desirable metals were quite near the area of unwanted metals such as iron. Gold had the same sound as tinfoil and other metals so discrimination had to be used carefully. The price to be paid for setting up a detector to ignore iron and tinfoil was that sooner or later the user would scan over and ignore a valuable find such as a diamond ring.

Coil designers also tried out innovative designs. When two identical coils placed on top of one another they become the D type of coil. Compass Electronics was the first to develop this type of coil used in the 70's. Another development was where detectors could cancel out the effect of mineralization in the ground. This gave greater depth but was a non discriminate mode. It worked best at lower frequencies than previous detectors.

Many detectors in the 70's had a switch which enabled the user to switch between the discriminate mode and the non-discriminate mode. Later developments switched automatically between modes. The development of Induction Balance detectors would result in the Motion detector which constantly checked and balanced the mineralization.

Manufacture's then started using a different type of technology called Pulse Induction. Unlike the BFO or the Induction Balance machines which both

used a uniform alternation current at a low frequency the pulse induction simply fired a high-voltage pulse signal into the ground. These machines made it possible to measure the signal and identify the presence of metal at a reasonable distance. These machines had a major advantage: they were completely impervious to the effects of mineralization and rings and other jewelry could now be located even under highly mineralized soil. They also had a big disadvantage by not being able to incorporate discrimination into the machine.

However Eric Foster started a new company in Britain and produced the Goldscan, the first Pulse Induction detector which had the ability to differentiate between metals. This detector was a new type of junk eliminator circuit which relied on the size of the target as well as its metallic response to give a control that would show positive for a gold ring. Its ability to differentiate between non-ferrous metals gave unparalleled depth on mineralized soil or sand. Pulse Induction detectors are now widely used in the construction industry. A Whites PI-150 can detect large objects to 10 feet using a 12 or 15 inch coil.

Metal detectors have come a long way, from the simple one coil BFO to today's sophisticated machines. Modern models are fully computerized using microchip technology to allow the user to set sensitivity, discrimination, track speed, threshold volume, notch filters etc and hold these in memory for future use. Compared to just a decade ago detectors are lighter, deeper seeking, use less battery power and discriminate better. And better metal detectors are yet to come.

Have you heard what's happening in the Central Florida Metal Detecting Club? COME AND FIND OUT!!

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APRIL 12TH - CLUB MEETING. COME ON OUT AN MEET SOME OF OUR LONG TIME MEMBERS AND SOME OF OUR NEWEST MEMBERS.

APRIL 27TH AND 28TH - THIS WILL BE OUR FIRST OVER NIGHT CAMPOUT AND WEEKEND HUNT FOR THE YEAR. DON'T MISS OUT ON THIS ONE. THE DIRECTIONS WILL BE DISCUSSED AT THE MEETING. THE CAMP AND HUNT WILL BE JUST NORTH OF SPRING HILL. I WILL ALSO BE HAVING A GOOD BUT UNUSUAL WARM UP HUNT AS SOON AS WE GET TO THE CAMP SITE.

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On Saturday March 16th several of Central Florida Metal Detecting Club ventured to Grant Florida for the 15th Annual Benefit Hunt. The day started warming up right before the start of the hunt. In the first hunt they had planted bright fusca colored pennies. They awarded prizes for the 1st thru the 10th place. Fred O'Neil came in 9th place and Ray Leist came in 8th place. We both received digging tools and pouches. Jerry Hitson came in 3rd and received a trophy and some coins. In the next hunt they planted 2000 mercury dimes and 6 keys on a key chain. The keys were to open a treasure chest. Fred O'Neil and Ray Leist each had a key. The guy right in front of me had the winning key. The other 5 hunters who had keys got a book. In the last hunt they had planted 6 tokens with numbers and a lot of foreign coins. Out of the 6 winners our club had 3 members who found a token, Don Hurtig, Fred O'Neil and Ray Leist. We each received a Spanish 8 Reale. Bill Bergdoll won the pinpoint contest and won a detector and a trophy. Deyton Peyton's daughter Shannon out did him and won the youth hunt and received a trophy. The hunt was well run and was over all a good hunt.

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IF YOU HAVE A BUSINESS AND WOULD LIKE TO PUT YOUR BUSINESS CARD IN THE NEWSLETTER, GIVE ME YOUR CARD AND I WILL PUT IT IN

THE CLASSIFIED SECTION IS A FREE SERVICE FOR THE MEMBERS OF CFMDC. IF THE ADD IS NO LONGER REQUIRED PLEASE TELL RAY LEIST OR CALL 386-428-3401

FOR SALE

18 inch Big Foot coil. Will fit Whites Eagle and Pro. Good buy at just \$90. Garrett Treasure Ace 300 with target ID. Great competition or back up detector. Minelab Explorer a real steal at only \$650. See or call Frank Haas @ 386-677-7272

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Whites Surfmaster PI - Retail for \$599 Sell for \$350. See Deyton Peyton or call 386-238-0007 or 386-255 4659

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WANTED TO BUY

WILL BUY- Pre 1990 animal licence tags. See or call George Livingston. 407-896-3495 Florida Yankee wants to buy your Civil War and Seminole War collectibles. See Dave Gascoyne or call 407-767-0530

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METAL DETECTORS AND ACCESSORIES

AUTHORIZED DEALER

MINELAB * COILTEX * SUN RAY* TESORO

GOLDEN EAGLE PRODUCTS

Frank Rothery
1704 Burton Lane
Melbourne, FL 32934
321-254-5513

Turn Items Lost to Items Found
Hidden Treasure to
Recovered Treasure
Be An Affluent Beach Bum

THE MORE YOU SEARCH THE MORE YOU FIND

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CHALLENGE PROGRAM (RULES)

1. ALL ITEMS MUST BE FOUND IN 2002.
2. ALL ITEMS MUST BE FOUND WITH A DETECTOR.
3. ITEMS FOUND IN A PLANTED HUNT WILL NOT COUNT.
4. SOME ITEMS IN LEVEL 3 & 4 WILL NEED TO BE VERIFIED. (IF THE ITEM IS MARKED OLD)
5. YOU MUST HAVE COMPLETED 90% OF A LEVEL BEFORE YOU CAN GO TO THE NEXT LEVEL.
6. AWARDS WILL BE GIVEN, WHEN YOU COMPLETE 90%, AT THE NEXT MEETING.
7. ALL ITEMS IN THE LEVEL YOU ARE WORKING ON, NEED TO BE DISPLAYED AT THE NEXT MEETING.