

THE CRANK & STOKE

THE VOICE OF THE HISTORICAL ENGINE SOCIETY

Founded 1970

Officers:

President: Dean Kirby
 Vice President: Donald Kuhl
 Treasurer: Larry DeMoss
 Secretary: David Schultz

Directors:

Owen Gingerich	2020/2021	Ray Frato	2021/2022
Jim Hansen	2020/2021	Eva Hansen	2021/2022
Bob Rankin	2020/2021	Neal Kitchen	2021/2022
Vacant	2020/2021	Sandy Paterek	2021/2022



2021 ANTIQUE POWER EXHIBITION ~ FULL STEAM AHEAD ~

Now that many of the restrictions for having an event in Ohio have been lifted, it was decided to move forward with our annual show. The dates will be July 23, 24 & 25.

The HES Board of Directors decided that we will keep the 50th anniversary theme and celebrate by featuring two of the largest competitors in the antique iron collecting hobby, John Deere and International Harvester. We are calling it Christmas in July! Get it, red and green?

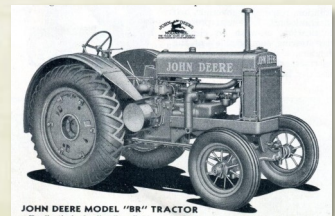
So, the challenge is, what brand will have more examples at the show? We expect that there will be a lot of both colors but don't let that stop you from bringing your other

brands of tractors and engines.

We are expecting a very large turnout based on this dual feature, plus with a year of no events, we expect people will be anxious to get out and socialize again.

Equipment may start arriving after 5pm Wednesday before the show and all day on Thursday.

Let's make this "Best Show Ever" as this will be a big milestone for our society. We're looking forward to seeing all the new toys you have acquired over the last two years. Since there were no shows to attend, we expect that we will see a lot of additions to each of your collections.



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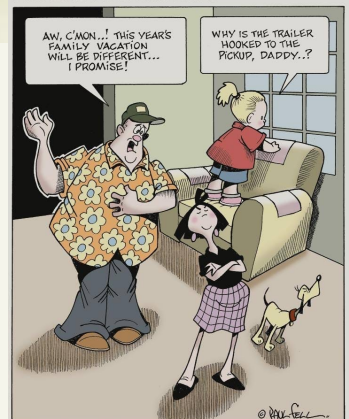
PLAQUES, BUTTONS & POSTERS

It was decided that we would keep the theme of the show the same, Christmas in July, and continue with our plans to have our "50th Annual Show" by featuring John Deere and International Harvester. So, with that being said, the show plaques will be the same as the 2020 show plaques with



the exception being that the color scheme will be reversed for the 2021 plaques. Both plaques will be offered at the 2021 show for all exhibitors. The buttons and posters will be the same, just with the new dates on them. The 2020 buttons will be given away along with the 2021 buttons.

AGELESS IRON ANTICS



YOUR IDEA OF A FAMILY VACATION INVOLVES A TRACTOR SHOW OR AN AUCTION.

CLUB MEETINGS

The HES Board of Directors have met in May and June in preparation for this year's show as we work through some of the details on how we will move forward.

We are planning to move back to having regular membership meetings starting with July 8th. This will give us one meeting more for the final preparations for our 50th anniversary show.

If you have not been to a meeting or if it has been a while, come and check it out.

We meet the second Thursday of the month at 7:30pm in the Bond Building at Century Village Museum in Burton.

This is a good time to catch up on the club happenings and to bring ideas you may have on how we can make your club even better.



HES SHIRTS & HATS

Each year we have shirts made in the same color as our feature for that year. We did not have any shirts made for 2020 since there wasn't a show that year. We will have new shirts available at the show this year, still celebrating our 50th annual show.

Sandy has ordered the new shirts and hats and possibly koozies.

Thanks to Sandy for taking on the task of working with the company that makes our shirts, hats and other items. This is yet another way that the Historical Engine Society raise funds that is needed to keep our club going.

If you have additional fund-raising ideas, please attend a meeting and submit your ideas and bring your research.



HES 2021 BENEFIT RAFFLE

As mentioned in the last newsletter, the HES Board of Directors decided to carry over the raffle to 2021. We are officially in the black! We will continue to sell tickets up to and at our show at the end of July.

If you are at all interested in

helping to sell tickets. Reach out to Dean Kirby to find out where the tractor will be taken so that you may assist.

The raffle has always been a great fund-raiser for the club but in order for it to be profitable, it must be taken to several area shows.



FARMALL CUB AND CUB FEST EVENTS

The Farmall Cub was developed to eliminate the horse and mule from 40-acre and under farms in the early forties. The International Harvester company had plans for this little 9 horsepower 4-cylinder tractor long before World War II, but the onset of the war caused a delay in its production. International Harvester then turned its manufacturing toward contributing to the war effort during this time. After the war ended on September 2nd, 1945, those plans came back to life.

On Tuesday, May 13th, 1947, at 2:40 pm the first Cub tractor rolled off the assembly line in Louisville, Kentucky. This Cub had a serial number of 501. It was then shipped to the plant in Canton, Illinois for the test fitting of implements. This Cub was then bought by a farmer in Wisconsin who also bought most of the implements available for the tractor. In 1947 the price of a new Cub was \$545.

The first model of the Cub remained unchanged from 1947 to 1955 where it underwent a few changes, most notably a down swept exhaust. In



1954 the LoBoy version was introduced which was 7 inches lower and 7 inches shorter than the standard Cub.

International Harvester produced the Cub from 1947 to 1979. It was one of the most popular small tractors ever built. During the nearly 33 years of manufacture 245,831 Cubs were built. The Cub transmission and differential were the foundation of the Cub Cadet tractor line. Sadly, new laws governing vehicle emissions passed in the 1970's along with the Cub's tooling and its factory badly in need of an overhaul helped lead to the Cub's demise.

The Cub still enjoys an immense popularity today and many are still at work or being enjoyed as a hobby. Cub 501, the first one built, was found, restored, and now resides in a private collection. Unfortunately, the last Cub built was destroyed in a barn fire. Many people are dedicated to the saving and restoration of these little tractors. Events known as Cubfests are held around the United States

each year where enthusiasts gather to share knowledge and wrench on their beloved Cubs in a group atmosphere. Ohio is host to several of these events, most notably The Buckeye Cub Tug.

The first Cubfest was in July of 2003 in Fremont, Ohio and was attended by about 100 people. Folks from across the United States brought their Cubs to the home of the first host. In 2004 the Cubfest moved to a small farm in southern Indiana. In 2005 the event was held in Stoutsville, Ohio and would include the first Cub-only tractor pull. The event also grew to span three days. The 2006 event was officially named The Buckeye Cub Tug. These events became well-attended, and people would come from as far away as Canada and even Egypt. In 2013, the event moved one more time to its current location in Somerset, Ohio and is held at the end of July each year. The pull, or "Tug", is the featured event on Saturday.

Contributed by Eva Hansen



IN LOVING MEMORY

One thing about this hobby is that we develop some great friendships along the way.

Unfortunately, some of our dear friends pass on and it leaves a hole in our heart. All we have left is the memories that we can share with each other and pass the stories on to others.

During the last two years, we

have lost several of our members. Here is a list of the ones that I am aware of. If there are others, please let me know.

Please take a moment and remember these members and the contributions that they have made to the Historical Engine Society through the years.

You will all be truly missed!



- Bob Nichols
- Dale Sustarsik
- Dick Kemmer
- Ed Deis
- George Davis
- Jason Kirby
- Tom Poole

Healthy Edible Savories

Greetings, it's HES recipe time. Here are a few of my family's favorites. Hope you enjoy!

Steak Marinade

Take your steak dinners to the next level with this amazing and simple marinade. You'll never go back to your old marinades!

Ingredients:

- 1/3 cup soy sauce
- 1/2 cup olive oil
- 1/3 cup fresh lemon juice
- 1/4 cup Worcestershire sauce
- 1 1/2 tablespoons garlic powder
- 3 tablespoons dried basil
- 1 1/2 tablespoons dried parsley flakes
- 1 teaspoon ground white pepper
- 1/4 teaspoon hot pepper sauce
- 1 teaspoon dried mince garlic

Directions:

1. Place the soy sauce, olive oil, lemon juice, Worcestershire sauce, garlic powder, basil, parsley, and pepper in a blender. Add hot pepper and garlic, if desired. Blend on high speed for 30 seconds until thoroughly mixed.
2. Pour marinade over the desired type of meat. Cover and refrigerate for up to 8 hours. Cook meat as desired.



Amish Sugar Cookies

Yield: about 5 dozen

Ingredients:

- 1 cup butter, softened
- 1 cup vegetable oil
- 1 cup sugar
- 1 cup confectioners' sugar
- 2 large eggs, room temperature
- 1 teaspoon vanilla extract
- 4 1/2 cups all-purpose flour
- 1 teaspoon baking soda
- 1 teaspoon cream of tarter

Directions:

1. Preheat oven to 375°. In a large bowl, beat the butter, oil and sugars. Beat in the eggs until well blended. Beat in the vanilla. Combine the flour, baking soda and cream of tarter; gradually add to creamed mixture
2. Drop by small teaspoonfuls onto ungreased backing sheets. Bake until lightly browned, 8-10 minutes. Remove to wire racks to cool.



Healthy Edible Savories. *Nelda DeMoss*

Engine Spotlight

The Novo Engine Company of Lansing, Michigan

The History:



The Novo Engine Company got its roots (as many engine companies did) from a smaller, family run blacksmith/repair shop dating back to 1890. Early on, there were several name changes and different business models were adopted serving sawmills and other growing industries. In 1901, a 'NEW' business model and name (Hildreth Motor and Pump Co.) emerged to manufacture 2-cycle marine engines and agricultural pumps. This path put the company on a course to become one of the largest and unique manufactures of agricultural engines. For the next 8 years, The Hildreth Motor and Pump Co. grew as they established a name for quality marine engines and agricultural products. As of 1908, they employed 25 people and ran a dedicated foundry.

In the 1909, coinciding with explosive growth in US farm expansion, HM&P designed and manufactured a completely 'NEW' line of agricultural engines. Known as the model S, these engines featured a space saving vertical design. They quickly gained traction in a wide range of agricultural applications. In 1911 the owners of HM&P, being descendants of Portuguese immigrants, adopted the name Novo to the company (NOVO meaning NEW in Portuguese). The model S agricultural engine was Novo's dominant product line with over 100,000 being made though 1928.

As manufacturing methods advanced and market demands changed, Novo brought out many multi-cylinder lines of engines in the late 20's and early 30's. Production of engines continued until 1944.

At a Glance:

This example is a 1922 - 4 H.P. Novo Model S. The Novo model S was offered in single cylinder engines ranging from 1 to 15 H.P. The basic design of the engine was unchanged from smaller to larger HP's. The larger 12 HP version looks just like an upscaled version of 1 HP.

Owned and Restored by: The Kuhl Family

Note: In advertising, Novo proclaimed their unique hopper design was "FROST PROOF". In concept, this means that any residual water in the hopper could freeze/expand with no damage to the engine.

Contributed by Donald Kuhl

Have a project you're working on? Let us know and we will feature your project in the next newsletter.





THE VOICE OF THE HISTORICAL ENGINE SOCIETY

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Meetings will resume on July 8th, 2021 and will continue on the 2nd Thursday of the month at 7:30pm in the Bond Building

The Historical Engine Society is a non-profit organization whose purpose is to provide a focal point for people interested in the machinery of a bygone era. We encourage the collection, preservation, restoration, and exhibition of power producing devices and the machinery driven by these units.

Society fellowship consists in the sharing of knowledge, ideas and educational programs. Work parties, picnics and field trips make this a truly family oriented organization. The annual show is a year-round effort, culminating in a gathering of people and their machines. Visitors are treated to the sights, sounds and demonstrations of the power of the past.

2022 RAFFLE TRACTOR

The 2022 raffle tractor is a 1964 Ford 2000 gas tractor. It was donated to the club in November of 2019 and work started soon afterwards. While it was in pretty good condition as far as an old tractor goes, the engine would not run, and after years of trying different things to get it started, the owner decided to donate the tractor to HES. After careful examination of the engine we soon discovered several different, yet related problems, mostly due to excessive wear in the valve train. While the engine was disassembled, the head was refurbished, new piston rings and crankshaft bearings were added, and the starter was also replaced. It now starts easily and runs as it should. A fresh coat of paint has been applied and a new set of rear fenders have been purchased. The final assembly will be finished in the next couple of weeks and the project will be topped off with a new set of decals in time for our 50th show!



Ford 2000

- ◆ 1962-1975
- ◆ 2.2 L 4-cylinder gasoline
- ◆ 36 hp engine
- ◆ 31 hp drawbar
- ◆ 31 hp PTO
- ◆ 3020 to 3362 pounds

Painters: Adam Lang Jr. & Nolan Hamilton →

Contributed by Adam Lang

