

THE ATLATL



"If I would study any old, lost art, let us say, I must make myself the artisan of it..."

-Franklin Hamilton Cushing 1895

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Un ISAC à la télévision Française

Bernard Bouffier

Une émission française : « On n'est pas que des cobayes » m'a contacté pour tester le tir de dard à l'Atlatl. C'est une émission qui est diffusée tous les samedis sur France 5 à 19 h. Une équipe sympathique teste et relève de nombreux déficits scientifiques.

Ils ne souhaitent explorer que le côté sportif de l'Atlatl avec un moment de fabrication de dard et pouvoir filmer quelques bon tireurs. J'ai considéré que l'organisation d'un ISAC était tout indiqué. Je leur ai proposé que leur testeur (cobaye) vienne participer à une épreuve du championnat du monde (ISAC).

La production souhaitait faire toute l'émission sur l'Atlatl (52 minutes), mais entre temps ils on changé

l'émission qui est maintenant découpée en plusieurs sujets.

Ils ont par contre filmé toute la journée pour faire 52 minutes alors que le sujet sur l'Atlatl a été raccourci à 14 minutes, ce qui est déjà bien. Ils disposaient de 4 caméras qui tournaient en même temps, plus des mini caméras (GoPro).

J'ai inscrit un weekend ISAC et invité les compétiteurs européens à venir tirer sur des jeux, un parcours européen amical et un ISAC pour chaque jour. Lors des préinscriptions, j'ai envoyé aux familles qui venaient avec des enfants compétiteurs des documents à remplir pour la législation du droit à l'image.

Le jour venu, c'était le samedi 14 novembre

2015, l'équipe de tournage arrive sur le Campement Préhistorique à Bruniquel. C'est un lieu d'accueil du public pour de la pédagogie sur la Préhistoire où je travaille.

L'équipe de tournage était très bouleversée. D'une part car leur testeur habituel s'était blessé à la cheville et était remplacé par Sebastien Lafont un sportif, réalisateur d'une autre émission de la même chaîne : Echapées Belles. D'autre part car au

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(English translation)

An ISAC on French television

A French program: "It's not as guinea pigs" contacted me to test atlatl dart throwing. It's a program that's shown every Saturday on France 5 at 7 p.m. A friendly team tests and raises numerous scientific challenges. They only wanted to explore the sporting side of the atlatl with a moment of dart making and to be able to film a few good throwers. I considered that the organization of an ISAC was indicated. I proposed to them that their tester (guinea pig) come participate in an event of the world championship (ISAC).

The production wanted to do the entire program on the atlatl (52 minutes), but in the meantime they changed the program which is now divided into several subjects. They filmed all day to make 52 minutes while the subject of the atlatl was shortened to 14 minutes, which is still good. They used 4 cameras which ran at the same time, plus mini cameras (GoPro).

I scheduled a weekend ISAC and invited European competitors to come throw some games, a friendly European course and an ISAC each day. During preregistration, I sent families who were coming with child competitors documents to fill out for the laws on image rights.

When the day came, Saturday the 14th of November, 2015, the crew arrived at the Prehistoric Camp at Bruniquel. It's a public venue for teaching prehistory where I work. The crew was very upset. For one thing, their usual tester had injured an ankle and was replaced by Sebastien Lafont, a sporty person, director of another program in the same chain, Beautiful Escapes. For another thing, at the Prehistoric Camp and in the region where the crew had arrived the previous evening, their phones didn't work. The problem was that the technical crew as well as Sebastien work, live, and have their friends in the area where there had just been the attacks at the Bataclan in Paris on the evening of November 13. Despite much visible worry, the crew was very professional. Bruniquel was the center of the atlatl world for the weekend of November 14-15, 2015 as shown in the photo that represents the map of prehistoric European atlatls that have been found. This map was part of a display on the atlatl from prehistory to today that was installed for the occasion. I also had the good fortune to welcome the best French throwers who made a good showing.

I think that this event contributed to making the atlatl better known as well as our discipline, the Prehistoric Camp, and our association the WAA.

29th Annual Meeting of the World Atlatl Association

Meadowcroft Rockshelter and Historic Village, Avella PA
June 16th to the 20th, 2016

By Margi Takoch

Starting **Thursday** @ noon, the range will be open to ISAC's and playing! After 5:00 pmyou can qualify for the sixth U.S. Open Atlatl Championships. The top five scores in each division from qualifiers held on Thursday, Friday and Saturday morning will be in the finals on Saturday afternoon.

Friday June 17th will be ISAC's, and US Open Qualifying. You can practice for the contests on Saturday. And random atlatl games! There will be burgers and dogs prepared and sold by The Madigans. Board meeting to be held, time undetermined yet.

Saturday there will be local contests all day ending by 4:00, with any throw-offs needed and awards @ 5:00. US Open Championships to be held @ 3:00. ISAC's all day. Dinner will be from 4:00 to 7:00. For \$12.00 you will get a piece of chicken, a cabbage roll, 2 pierogies, green beans, tossed salad, a dinner roll and drink from Town and Country Center Catering, Washington, PA . The World Atlatl Association Annual Meeting @ 6:00. Afterward, we are excited to have a special presentation from our **Speaker**, Kurt W. Carr. Mr. Carr is Senior Curator of Archeology at The State Museum of Pennsylvania and co-authored the book *First Pennsylvanians*. In *First Pennsylvanians*, Kurt Carr and Roger Moeller provide a broad, accessible, and wide-ranging overview of the archaeological record of Native Americans in Pennsylvania from early prehistory through the Paleoindian, Archaic, Transitional, Woodland, and Contact periods, stretching from 16,500 years ago to 1750 C.E. The authors present and analyze specific traits of each archaeological time period covered and use the archaeological record to provide a glimpse of Native Americans' daily life in Pennsylvania. *First Pennsylvanians* also includes personal stories and anecdotes from archaeologists about their experiences in the field as well as a wealth of illustrations and diagrams. The chapters examine the environment, social groups, tools, subsistence, and settlement patterns of Native Americans in Pennsylvania and describe how these factors profoundly affected the populations and cultures of these early inhabitants of the region. <http://www.psupress.org/books/titles/978-0-89271-150-5.html> Kurt Carr's book will be available for sale in the Meadowcroft museum gift shop.

Sunday the 20th there will be ISAC's till 3:00.

Meadowcroft website: www.heinzhistorycenter.org.

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Bob and Cheryl Berg from **Thunderbird Atlatl** will be set up selling atlatl equipment.  
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Primitive camping is available on site, running water and bathrooms, no showers. There are local campgrounds and motels in Washington PA, 35 minute drive. Washington County Tourism website www.visitwashingtoncountypa.com.

Museum gates close @ 5:00. If you think you will be later than that, contact me for my cell number. Call Margie and Frank @ [740.264.1755](tel:740.264.1755) or email margieandfrank@hotmail.com for more info.

Directions to Meadowcroft: There will be black and white atlatl arrow signs and blue signs for Meadowcroft.

Directions from I-70 Westbound:

Get off on the Washington PA, Exit 17 St Rt 18 Jefferson Ave exit. Go Right to the second light. Turn Right onto Rt 844. At the next light bear Left. Stay on Rt 844 until Rt 231 N (Just past Breezy Heights Restaurant) Go Right onto Rt 231 N. Watch for the blue Meadowcroft signs. Go about 1 ½ miles to Rt 50. Turn Left onto Rt 50 W. Go about 1 ½ miles to Fallen Timber Rd, turn Right. Go about 1 ½ miles, turn Left onto Meadowcroft Rd. Go downhill about 1 mile, cross the new bridge and make the 1st right into Meadowcroft.

Directions from I-70 Eastbound:

Get off on the Wheeling, WV Main St Rt N Exit. Get into the left lane on the ramp. At the 1st light, turn left. Go 1 block and turn Left. Get in the right lane for Rt 2 N. Go to 1st light, turn Left and then turn Right onto Rt 2 N. Go about 16 miles to Wellsburg, WV. At the 3rdlight (just past Family Dollar), turn Right onto Rt 27 E. . (Rt 27 will change to Rt 844 when you cross the PA State line) Go about 6 ½ miles to Independence, PA and turn Left onto Rt 50. Watch for blue Meadowcroft signs. Go 1 mile, turn Left onto Fallen Timber Rd. Go about 1 ½ miles turn Left onto Meadowcroft Rd. Go downhill about 1 mile, cross the new bridge and make the 1st right into Meadowcroft.

Directions from I-79 Southbound:

Get off on the Rt 50 W Bridgeville Exit. Follow Rt 50 to Avella, PA. Watch the road signs for Rt 50...this zigs and zags around. In Avella where Rt 50 turns left, go straight ahead. Watch for the blue Meadowcroft signs. Go about 2 miles. Go Right onto Meadowcroft Rd. Go downhill about 1 mile, cross the new bridge and make the 1st right into Meadowcroft

OR

You could also continue on I-79 S to Washington Pa, get onto I-70 W and follow the directions for I-70 Westbound.

Directions from I-79 Northbound:

Get off I-70 onto I-70 W. Follow I-70 to the Washington PA, Exit 17 St Rt 18 Jefferson Ave exit. Go Right to the second light. Turn Right onto Rt 844. At the next light bear Left. Stay on Rt 844 until Rt 231 N (Just past Breezy Heights Restaurant) Go Right onto Rt 231 N. Watch for the blue Meadowcroft signs. Go about 1 ½ miles to Rt 50. Turn Left onto Rt 50 W. Go about 1 ½ miles to Fallen Timber Rd, turn Right. Go about 1 ½ miles, turn Left onto Meadowcroft Rd. Go downhill about 1 mile, cross the new bridge and make the 1st right into Meadowcroft

Directions from Youngstown, OH:

Get onto Rt. 11 S to East Liverpool, OH. Take exit Rt 7 S Wellsville. Stay on Rt 7 until Steubenville. Follow the signs for Rt 22 E Pittsburgh to onto the Suspension Bridge. Get into the right lane and at the end of the bridge onto Rt 2 S Follansbee, WV. Go about 8 miles on Rt 2 S to Wellsburg, WV. Just past the Dairy Queen, turn Left onto Rt 27 E. (Rt 27 will change to Rt 844 when you cross the PA state line) Go about 6 ½ miles to Independence, PA and turn Left onto Rt 50. Watch for blue Meadowcroft signs. Go 1 mile, turn Left onto Fallen Timber Rd. Go about 1 ½ miles turn Left onto Meadowcroft Rd. Go downhill about 1 mile, cross the new bridge and make the 1st right into Meadowcroft.

If you are coming from a motel in Washington:

(Off I-70 West, take exit 17, Jefferson Ave (old exit 6) in Washington, PA. At the bottom of the ramp turn right. At the second light turn right onto Jefferson Ave).

(Off I-70 East, Take exit 17 Jefferson Ave (old exit 6) in Washington, PA. At the end of the ramp turn right onto Jefferson Ave. Go past the 1st light.)

At the next light bear left onto 844. Follow 844 for 11 1/2 miles to the junction of 844 and 231 (just past Breezy Heights restaurant and driving range). Turn right onto 231 North. Go 1 1/2 miles to junction of 231 and 50. Turn left onto 50 West.

Proceed 1 9/10 miles and turn right onto Fallen Timber Road. Go 1 3/10 miles and turn left onto Meadowcroft Road. Cross the new bridge, and turn Right into Meadowcroft entrance.

Note: Travel time from Washington is approximately 35 minutes. Gas stations are located in Washington, PA and Avella, PA and Wellsburg, WV. Restaurants are located in Washington, PA (widest selection), Avella, PA,, very unique Breezy Heights on RT 844 and Wellsburg, WV.

The Mammoth Stone by Margaret Allan (pseudonym of William Thomas Quick) Signet: New York, 1993

Margie Takoch

Meadowcroft, location of this year's annual meeting, is best known for its part in pushing back the dates of occupation of the Americas. Since its discovery a number of other pre-Clovis sites have been identified, but at the time this book was written Meadowcroft was still pretty revolutionary. *The Mammoth Stone* is mostly set at the site, though the only way the reader knows this is from a sketchy map at the front showing "The Green Valley" near Pittsburgh.

Probably the best thing about this book is the cover art, in which the heroine is wearing actual tailored clothes that completely cover her. No fur bikinis, no ragged hides wrapped around her as in so many covers of prehistoric fiction. Unfortunately, the book itself doesn't match the plausibility of the cover. It looks like almost no research went into this. I would say none at all, but the first chapter is labeled as taking place at Dyuktai (a site in Siberia where artifacts have been found similar to some in North America), so the author must have at least glanced at a book.

Spoiler alert! You have been warned.

The story is as follows: In Siberia, the shaman Ga-Ya has a vision of the Great Mother (the goddess of her people) and learns that there will be a line of women with one green and one blue eye, marking them as chosen of the Mother, and they will fight the Mother's old enemy. Ga-Ya carves the Mammoth "Stone" out of ivory to be passed down through the ages.

About 3500 years later, the Mammoth People are wandering the steppes of North America when they come across a lush green valley and decide to settle there. Just before the decision is made, twins are

born, and one is a girl with one green and one blue eye. Only the old shaman, Magic, recognizes this sign for what it is. The whole thing with the eyes and the Mammoth Stone has become a secret over the millennia. His apprentice is ready to kill the baby as a demon, but Magic rescues her. Secretly, he tests her with the Mammoth Stone, which only the chosen one can touch. The baby is unharmed by touching the Stone.

Despite the shaman's patronage, everyone else only grudgingly tolerates the child, named Maya. They're unsettled by her eyes and blame her for her mother's death in childbirth. Things get even worse when a "cave lion" (really a sabertooth tiger) attacks and kills Maya's stepmother and sister. Maya is blamed for this and shunned by everyone except Magic and Berry, her grandmother.

Ghost, Magic's apprentice, is jealous of Maya and the attention she gets from Magic. He's also epileptic, which caused him to be rejected by the other children until Magic recognized the Spirits working in him, and, more importantly, a sociopath. Of course he'll cause trouble later on.

When Maya is about 14, the Bison People arrive in the area. Their tribal god is the Spirit of Breath/Father of All Things, represented by a snake. Just so you get the point that he's evil, the Spirit of Breath likes human sacrifices and cannibalism, even though there are only 40 Bison People and you'd think they couldn't spare any. (It's mentioned that the last time they met any other people, 20 years before, they sacrificed them all. I kept wondering how long it would take for these people to run into serious genetic difficulties with such a small population.)

Important figures among the Bison People are Black Caribou, their leader, who has bulging muscles even on his fingers, and Broken Fist, the shaman, who is, of course, evil. He forces Black Caribou to sacrifice his own sister.

Meanwhile, back in the Green Valley Magic finally tells Maya her secret identity: she's the long-awaited savior of her people and part of the Great Mother. Maya is overwhelmed by this, and when Ghost pretends to be her friend she willingly hands over the Mammoth Stone. Ghost abandons it where the "Others" will find it. Black Caribou does indeed find it, and although it's supposed to harm any but Maya who touch it, Black Caribou is unhurt. However, Magic dies. Ghost immediately takes Maya and beats her severely. She manages to escape the camp and is found by Black Caribou, who takes her home and makes her his wife. Maya's injuries have given her amnesia.

Plague comes to the Mammoth People, causing them to literally hack up a (piece of a) lung. They blame

the Bison People and mount an attack, killing several (by my count they're now down to 27 people), but are defeated and slated for sacrifice. Maya too is supposed to be sacrificed, but she's found the Mammoth Stone in Black Caribou's pack. Her amnesia is cured. When Broken Fist sends Ghost to kill her, Maya touches him with the Mammoth Stone and his body tears itself apart. Then Broken Fist is possessed by the Spirit of Breath and Maya by the Great Mother, and they fight it out in an epic showdown that lasts less than two pages. The Spirit of Breath is defeated.

The Bison People and Mammoth People combine and live together in the Green Valley. Maya invents the bow and arrow and then leaves with Black Caribou to follow the bison, leaving behind the Mammoth Stone for her infant niece, who has one green and one blue eye. The end.

I'm sure you've been wondering: do atlatls make an appearance in this book? Yes. But just barely. The people in Siberia have spear-throwers, described as "nearly three feet long" and with a "concave hook." But it's not until after they've already gotten foolhardily right up in mammoths' faces that they break out the throwers. They seem to be missing the point here. Later on, we're told that the Bison People don't have atlatls, and the Mammoth People seem to have one dart and no backups, because in the battle they're described as "unarmed" soon after throwing.

There are other implausible or downright wrong details of prehistoric life. One of the most egregious is the author's clear misunderstanding of what a shorter life expectancy in the past really means. It indicates higher infant mortality, not that people aged faster, but Ga-Ya is "very old" and dying of old age at 36. In North America, one person is described as middle-aged at 23. Besides the issue of age, there is only one real knapper among the Mammoth People, and everyone else has to wait for him to get around to sharpening their tools. Clay pots are mentioned several times, in a book set 20,000 years ago. The bow and arrow is out of place (or rather, time) for the same reason. Women are oppressed to a degree that's unrealistic for a hunter-gatherer society, and it also seems odd for a group that worships a Great Mother. One of the people in the Green Valley, which, remember, is in Pennsylvania, has a Venus figurine. Waayy out of place.

The writing style also leaves some things to be desired. Most of the time it's unremarkable, but then there will be a description that fits so badly with the prehistoric setting that it jars you out of the story. The best example of this is a description of a character as having "shoe-button eyes." There are also numerous authorial asides that try to explain

things in modern terms instead of making them plain in the context of the story. For instance, with regards to the aforementioned Venus figurine, we're told, "Many thousands of years later, archaeologists would discover these statues..." (p. 138). There are a few references to the hypothetical opinions of "Modern Shamans," who sometimes seem to be archaeologists and sometimes psychologists. Later there's a short description of what happens in the brain of an epileptic, whether accurate or not, I don't know, but all of this is unnecessary to the story and is distracting. I'm of the firm opinion that a story should be self-contained. Maybe it is 65 degrees, but if Maya doesn't know that, don't tell us she doesn't know. Just say it's unusually warm.

To move on to bigger, plot-related issues, why do the Mammoth Stone and the strange eyes have to be such a huge secret? It would have saved everyone a lot of grief. I was going to say "but then there would have been no plot," but then I realized that a) there's not much anyway and b) I can easily imagine other sources of conflict (if that's the goal) even with everyone aware of Maya being the chosen one. I can't really recommend this book, even if, like me, you enjoy nitpicking. The story is not really interesting enough to overcome its faults, and there are enough factual errors about the past that it's not educational in the slightest.

Goose Effigy Platform Pipe

Jerry Nevins

(Text refers to the image above)

This will be a reproduction of a Hopewell Goose effigy platform pipe. The original pipe was a surface find north of Burlington, Iowa, near a Hopewell site. The original pipe is 4 3/4" long, which is a little larger than most Hopewell animal effigy platform pipes. This replica pipe will be a little over 4" long. It's hard to tell exactly what type stone the original pipe was made of, but it does look similar to this Ohio Pipestone. The eyes in this one will be made of Iowa Siltstone, which I thought was appropriate.

Since I use a drill press for boring holes and a Dremel to rough-in the basic form, most surfaces need to be square and flat. Otherwise boring the holes and removing excess material can be a real problem. If you are going to use aboriginal tools, then being square and flat aren't as much of an issue.

This is the 'master' side, or face. I usually pick a side and make sure it is flat. Then I always use that side to draw the outline of the pipe, measure from and square up the other side, bottom, ends and top. I usually rough cut the stone oversize to allow for mistakes and in case there are blemishes or inclusions that might appear. With a few exceptions, you never know just what you'll find inside of a piece of stone.

The top and bottom of this piece have been 'squared' with this face. I'm not going to worry about the ends for now. The dashed lines are where the stem and bowl holes will be.



This is the opposite side of the master face. It's nice and flat, but the small crater at the lower left has to go. Since this piece is still thicker than I want, and the blemish is where it is, most of it will be removed and not be a problem.

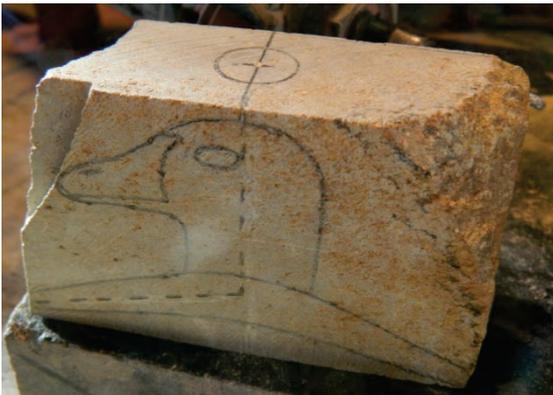




This is where the Dremel comes in. I use a small slab of Marble as a smooth and flat base and use a tile cutting bit to more or less plane this face down to the thickness I want and to remove most of the crater at the lower left of the piece.



Here is what the piece looks like after planing. Even though this is some very soft stone, it's still stone. I had to make several passes to get it to this stage. By using this method, this face is now parallel with the master face.



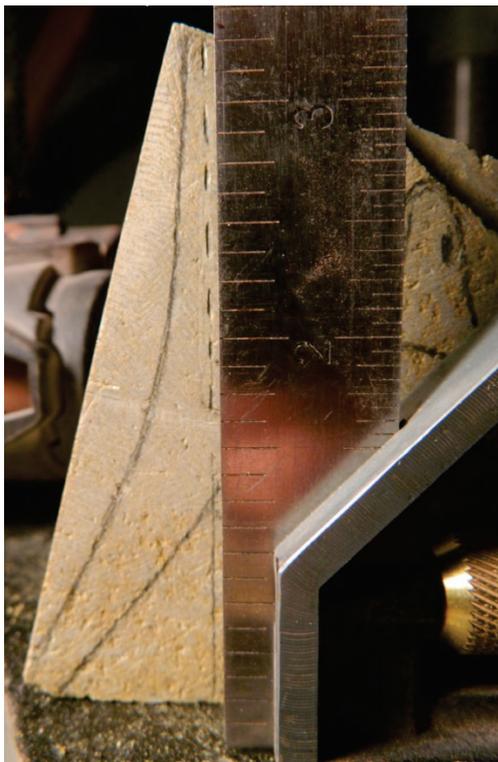
Back to the master face showing where the bowl hole will be bored. Since the piece is now at the thickness I want, I'll go ahead and center the bowl layout with the corresponding line on the face of the piece.



A quick look at where the stem hole will be bored. Just like the bowl hole, the stem hole is dead center of the thickness of the piece.

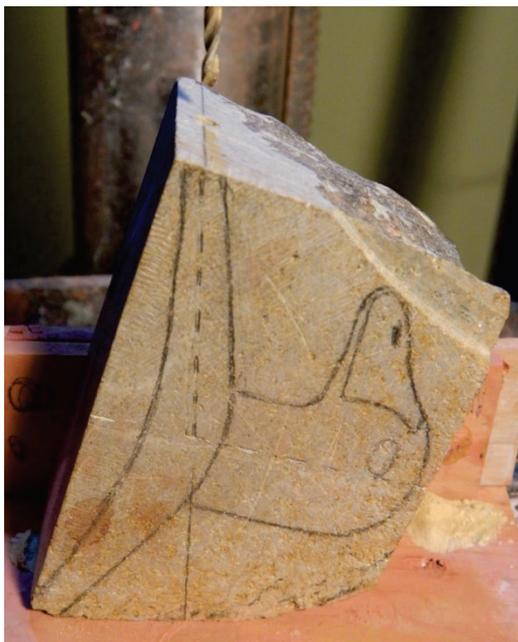
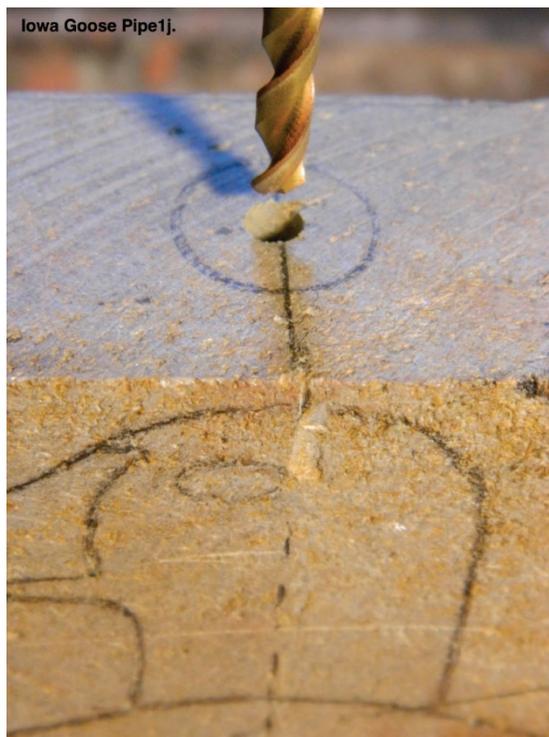


I got ahead of myself here and forgot to get a photo of the line drawn behind the Goose's head at a right angle to the stem hole line to be able to cut the piece so that the stem hole line is vertical (plumb) when it is sitting on the base of the press. You can see the result though.



On to the drill press. I usually place a thin block of wood under and behind the stone piece instead of sitting the piece directly on the metal base of the press. I don't use clamps to hold the piece steady because I'm afraid the vibration of the drill bit might stress the piece. Sometimes I use a Carbide bit for this step, but since this stone is so soft, a regular hardened steel twist bit works just fine. Take your time at this stage, use a slow speed (600 rpm or less) and pump the drill a lot. Drill a 1/4" or so deep, take the piece out, dump any dust, and remove any debris that might get caked to the bit. You don't want the bit to get hot, as it will expand, bind up with dust, and possibly break the stem and ruin the bit.

Double checking to make sure the line is vertical, and it looks pretty close. As I mentioned earlier, precise layout is critical when using power tools. The stem hole and part of the bowl hole are 1/8" diameter. To be able to bore those two little holes through stone and have them meet from different angles is not easy, but if you take your time, it can be done. I always bore the stem hole first so the bowl hole runs into it. If you bore the bowl first, you take the chance of going past the stem hole layout and find out later when you are finishing the radius and the bowl hole makes its appearance. It happened to me once and ruined the pipe.



Now for the bowl hole. I do this in two stages. The first hole is bored with a 5/32" or 3/16" bit. Since you don't have to worry about a thin stem, you can use a slightly larger bit here. Besides, using a larger diameter bit here increases the chance of hitting the stem hole.



Boring the bowl hole with a 1/2" diameter Diamond hole saw. Again, you want to take your time, use a slow rpm, use water as a lubricant and pump the drill a lot. I usually aim for a bowl around 3/4" deep from the finished top of the pipe. The depth is up to you. Once you reach the depth you want, you can easily use a 1/8" bit or small wedges to break the cylinder off. Then I usually use a 1/2" steel or Carbide bit by hand or cordless drill to smooth out the bottom of the bowl hole.



Now, to get rid of some of the mass, I will use as large as possible Diamond hole saw bit to bore the inside corners. This makes it easier to cut to the inside corners without cutting into the effigy. A bandsaw would be the perfect tool for this, but I have yet to find a blade that will stand up to stone. I am looking into a scrollsaw that will take carbide cutters, but nothing I have seen yet has the power to handle stone.



Using the Dremel with a Diamond cutting wheel and cutting from both faces, I cut off excess stone. Again using the smooth Marble slab to slide the piece into the saw blade. Try to cut into the wheel when possible. Sometimes you have to cut with the wheel, but the nature of the beast will try to pull it from you and bind up, bend the shaft and possibly ruin the both the tool and the piece, so be careful here. Keep in mind that Dremels, routers and such always rotate clockwise when looking down from the top of the tool.



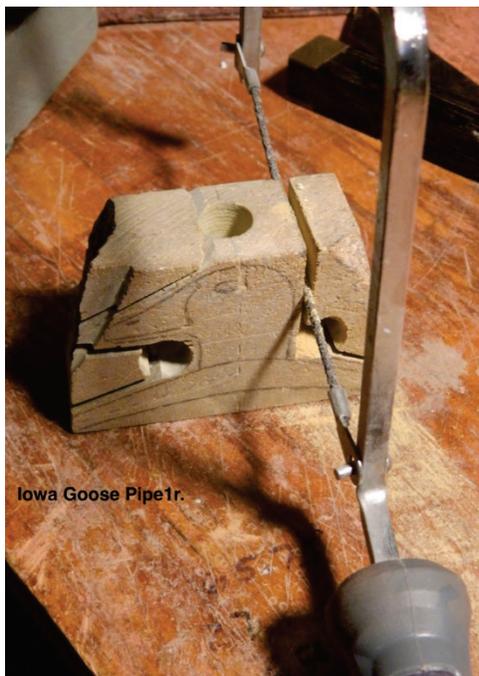
Critical holes are done. Take a breath.



Another view of getting ready to cut some mass from the pipe.



The piece at the upper left will easily break off, but the other cuts need to be taken farther. On this piece, I cut double wide so it's easier to finish off with a different tool.



Iowa Goose Pipe1r.

I usually use a piece of thick leather or a sandbag under the piece when using this tool, but the colors of both caused the stone to blend in and it was harder to see what's going on.



Not a pretty picture, but now the fun starts. With most of the excess material gone, the shaping by hand can begin.



Using a sandbag to steady the piece, I use this tile rasp to remove material relatively quickly. My goal here is to smooth out the tool marks and create a close profile of the Goose. The sandbag, to me, is the best thing to use for hand grinding an odd shaped or fragile piece. Vices or clamps are cumbersome and awkward, whereas the sandbag will accommodate the shape of just about anything. I took a gallon sized zip-lock freezer bag, filled it about two thirds full of sand and put that inside of a canvas type shopping bag. The freezer bag will keep sand dust from leaking all over the place, and the canvas protects the freezer bag and actually has a pretty good grip.



The profile is done but the tile rasp leaves some pretty deep marks.



To get rid of the rasp marks, I use any sharp edged tool to scrape the piece smooth. In this case I used the edge of this little steel rule.



Here's a better view of the Goose scraped smooth and ready for the next step.



I used the tile rasp, then a wood rasp, then the steel rule again to smooth out the scratch marks on the Goose's head and neck. You can see the lines drawn for the beak and the center line on the platform stem. Drawing these lines helps keep stuff centered and also reminds me that the stem hole is right under the line on the base. I'll leave the eyes as they are for now so I can make sure that they are directly across from each other. When marking on most stone, I use a fine tip Sharpie on most stone, I use a fine tip Sharpie or a steel point to etch. Pencil works for temporary marking, but rubs off easily.



Both sides of the pipe are rough shaped. The eyes look to be in the right places and the beak is in relief.



The view from the side. Ready to be detailed, sanded and oiled. The eyes will be ground off flush and drilled by hand for eye sockets. The base will be ground and scraped to a curve following the line shown. Keep in mind that the dashed line represents the center of the stem hole and the hole is pretty close to the inside radius line. Use caution here. Grind off too much and you might run into the stem hole. That would be a disaster and a real shame after all the time and effort that goes into making one of these.



Some of the hand tools I use most often for working with stone. There are a few more files and knives, and pointy tools for etching, but this is the main group.

I use a 10" wet saw to cut the raw stone into slabs and a Dremel rotary tool mounted on a stand for some of the rough shaping, planing and cutting, and a drill press for boring most of the holes. Sometimes I use a cordless drill and sometimes by hand.

Anyone using power tools to work stone should be wearing a GOOD dust mask. A snug fitting dust mask with replaceable cartridges is key; not the little paper ones with a rubber band. The latter are totally useless for filtering out the finer

particles of dust created by some tools. All Soapstones contain Talc, which has turned out to be a carcinogen, and some Soapstones contain Asbestos too.



The finished pipe goose effigy platform pipe.



The original Hopewell artifact.

Winter Count 2016

Carol Sizemore

The Weather of course was terrific the temperatures were in the mid-80s every day. During the eight-day event we conducted 38 flights with 45 people participate in the ISAC's. We conducted a field round contest for both atlatl and archery with 55 people participating. 21 people attempted their best distance throw. It was great fun and Winter Count is a wonderful place to spend outdoors in the winter with beautiful sunsets and fascinating people. I recommend you start making your plans for next year; we would love to see you there.

THE RESULTS. Archery division Junior 9 and under first place. Phoenix Ford. Second. Micah Hattman and Psy Turner tied for second place in third Kay Casler youth division first place Antonie Dardis second Tobias Dardis and third Cree Johanning women's division first place Lynk second Ann Rosnequist third Ann Hunkins men's division. First Place Russell Sparks. Second Michael Morgart. Third Tobias Corwin. ATLATL Junior division first place Eleu Worher second Micah Hartman third Drake Worher. Youth division 1st Pl., Chad Winkler. Second Peter Olis third Will Klumpenhower. Women's division first place. Sue Mercer. Second Bonnie Corey third Karla Moeller men's division 1st James Turner. Second Douglas Bassett. Third Jim Gnapp. DISTANCE Junior division. 1st Micah Hartman 116. Second Drake DePierro 69. Kai Casler 12 Youth division Chad Winkler 316. Will Klumpenhower 302. Colin Casler 226 Womens division. Karla Moeller 239. Sue Mercer 212. Krist Nichols 152 Men's division Douglas Bassett 573 James Turner 465 Neville Robins 374

~VOTE~

Candidate Biographies:

President Nominee

Anita Lukes: My husband and I are retired pharmacists and have been members of the WAA since February 1998. I am currently on the Board of Directors and served in that capacity about 10 years ago. That date, February 1998, was the month that we visited friends who were wintering in Ocotillo, CA, Roger and Elizabeth. The first morning there they ushered us across the street at 8 am where half a dozen folks were throwing darts with atlatls at a target on straw bales. I borrowed an atlatl and dart and with some instruction, starting throwing. By the third throw, I was at least on the edge of the target--I was hooked. A woman in her 70's was sitting behind us and said, "I think you are going to be good; you should join the WAA". That was Leni Clubb. We joined the WAA. Over the next decade, I grew to know Leni and respect her dedication to the WAA. Like Leni, I'm a bit of a traditionalist, but some of the changes/innovations that have been made over the last 4-5 years are terrific, such as World Atlatl Day, using PayPal for dues payment, and increased use of the internet to communicate with members. No campaign promises, only to try to carry on the organization that Leni and the other founders started.

Board Nominees

John Whittaker: I have been an atlatlist and WAA member since 1996, and on the board for quite a while too. I took over the ISAC scorekeeper job from Bill Tate some years ago (Please keep those scoresheets legible!). Atlatls are important to me - I cunningly use a sport I love in my professional life as an archaeologist, teaching students about prehistoric technology and skills, and analyzing ancient atlatls. I have many important friends through WAA and atlatls that I would never have met otherwise. I expect I will continue throwing darts (and other things) until my arm falls off.

Ryan Grohsmeyer: I got hooked on atlatls when I was 14, working on the Boy Scout archaeology merit badge in Southern Maryland. Eventually I ended up with equipment that mostly worked and got my parents to drive me to Pennsylvania knap-ins. Since then I've made my own equipment, taught dart making classes at Mid-Atlantic Primitive Skills (MAPS) meets, made darts for and taught at Boy Scout camporees, Native American Heritage Days, summer camps and middle school events, and organized two ISAC events through the NYAA while a student at Alfred University. In college there I started measuring dart speed with a high-speed video camera, and since starting grad school in Missouri the great crowd there has let me video, measure and weigh their darts to calculate kinetic energy and momentum of their throws. I'm interested in learning about the physics of atlatls, and in finding measurement techniques to help us understand atlatls and darts in an engineering sense. I also like making reproductions of archaeological dart finds, and trying to figure out why our ancestors made darts like they did.

Linda Nolf: My husband and I got involved with the Atlatl some 10 years ago after finding out through the CT Friends of the Office of State Archaeology that there was some kind of competition in Vermont. We decided to check it out and as they say the rest is history. Bob Berg lent us some equipment and we were hooked. Since that time we have competed in ten different states as well as France. We have hosted our local event at Hammonasset state park in CT for the last 7 years and hosted the WAA annual meeting 3 years ago. Through these events as well as educational demonstrations we have introduced the Atlatl to thousands of people young and old.

David Sheppard: I started throwing in 1999. Now one would think in that length of time I would be an expert. In all reality, I didn't start to figure out the "spear fling thing" until about 2009. I changed a little in my style, but most importantly, I realized it is not the equipment, it's all about the individual utilizing that equipment. For years I would change my dart or change my atlatl, always looking for that perfect design that would carry me to that perfect score. Once I found something somewhat comfortable, I stuck with it and my scores began to rise. Throwing is something that our entire family enjoys. Even my three year old daughter enjoys coming out and putting holes in the target. I have been blessed to be a part of numerous events, but the most rewarding part is teaching others. Watching them decide to give it a try, and then to see the look on their face when they start to hit! It is almost more fulfilling for me than it is for them most of the time. Hopefully that is a key attribute that I can bring to the board. Helping the board by focusing of growing membership and passion! Thank you so much for the honor of consideration.

On behalf of the 2016 Nominating Committee (Margie Takoch, Debra Wagner and myself), I would like to thank the above nominees for agreeing to run for the Board of Directors positions. Scott Van Arsdale, 2016 Nominating Committee Chair.



2016 OFFICIAL BALLOT
World Atlatl Association, Inc

President:

Anita Lukes _____

Board Members: (Vote for three):

Linda Nolf _____

David Sheppard _____

Ryan Groshmeier _____

John Whittaker _____

Place EACH ballot in a plain sealed envelope marked "2016 WAA Ballot" with no other markings. Ballots can be submitted at the WAA Annual meeting at Meadowcroft, PA, on June or mailed in another envelope addressed to WAA Secretary Debbie Andrews, 2041 Reynolds Ave., Albany OH 45710. Multiple ballot envelopes can be placed in the mailing envelope but be sure each voting member is identified on the mailing envelope (With Family Membership, a member must be at least 18 years old to vote).

NOTICE: Regina Dodson is stepping down as secretary and Debbie Andrews is filling her role until next year's meeting. **All event information should now be sent to Debbie.**

Debbie Andrews, 2041 Reynolds Ave, Albany, OH 45710
 Phone: (740) 698-7131
 Email: deb_andrews@frontier.com

The World Atlatl Association, Inc.
 International Standard Accuracy Contest (ISAC)

9-Mar-16

2016 ISAC Results for Men (70 and above)

Place	* Tie Placement	Score	Name	Home	St	Date	Contest
1		95x	Jon Wood	Madison	MO	1/2/2016	Columbia, MO
2		94x	Douglas Bassett	Warsaw	NY	1/2/2016	Jim's Pro Shop, Shortsville, NY
3		89x	Bob Kitch	Husum	WA	2/13/2016	Wintercount, Maricopa, AZ
4		88x	Chad Winkler	Bayfield	CO	2/15/2015	Wintercount, Maricopa, AZ
5	*	88	Neville Robins	Battleground	WA	2/15/2015	Wintercount, Maricopa, AZ
6	*	88	James Turner	Durango	CO	2/19/2015	Wintercount, Maricopa, AZ
7		83x	Ryan Grohsmeyer	Rolla	MO	1/23/2016	Columbia, MO
8		82	Jerry Nevins	Jefferson City	MO	3/6/2016	Columbia, MO
9		80	Jim Gnapp	Abbotford	BC	2/19/2015	Wintercount, Maricopa, AZ
10		79	Kevin DeChant	Jefferson City	MO	2/7/2016	Columbia, MO
11		77x	David Patterson	Ashland	MO	2/21/2016	Columbia, MO
12	*	77	Sean Matheny	Boonville	MO	1/2/2016	Columbia, MO
13	*	77	Austin Fisher	Grand Island	NY	1/16/2016	Jim's Pro Shop, Shortsville, NY
14		75	Glen Purpura	Moab	UT	2/13/2016	Wintercount, Maricopa, AZ
15		74	Allan Turner	Scottsbluff	NE	2/16/2015	Wintercount, Maricopa, AZ
16		72xx	Russell Richard	Cheyenne	WY	1/1/2016	Trail's End, Cheyenne, WY
17		72	Eric Todd	Cheyenne	WY	1/1/2016	Trail's End, Cheyenne, WY

2015 ISAC Results for Women (50 and above)

Place	* Tie Placement	Score	Name	Home	St	Date	Contest
1		70	Dawn Wagner	Truxton	MO	1/16/2016	Horse Around Ranch, Truxton, MO
2		67	Sue Mercer	Attica	NY	1/2/2016	Jim's Pro Shop, Shortsville, NY
3		56	Mariah Sheppard	Cheyenne	WY	1/1/2016	Trail's End, Cheyenne, WY

2015 ISAC Results for Youth (40 and above)

Place	* Tie Placement	Score	Name	Home	St	Date	Contest	AGE
1		85x	Will Klumpenhower	Durango	CO	2/16/2015	Wintercount, Maricopa, AZ	15
2		77x	Peter Oles	Durango	CO	2/18/2015	Wintercount, Maricopa, AZ	15
3		74	Marlin Bassett	Warsaw	NY	1/16/2016	Jim's Pro Shop, Shortsville, NY	13
4		59	Quin Crist	Durango	CO	2/19/2015	Wintercount, Maricopa, AZ	14
5		57	August Gates	Durango	CO	2/16/2015	Wintercount, Maricopa, AZ	12
6		43x	Makenna Coleman	Durango	CO	2/18/2015	Wintercount, Maricopa, AZ	14
7		43	PJ Rude	Durango	CO	2/17/2015	Wintercount, Maricopa, AZ	14

*indicates ties which have been placed in their proper order, using the tie breaker rule

North American Atlatl Competition Events for 2016

Apr. 16	Knap-in at Fraternal Order of Police, 83 FOP Lane, Charleston, WV 25313. From 10am to 4pm - ISAC, WV and WV Deer Target contests will be held. Free instruction to the public. Please call Randy Whaley at (304) 812-0599 or e-mail nisaholbrook@aim.com for additional information.
Apr. 16-17	Charleston Mo. At the Pioneer Days Rendezvous in association with the 48 annual Dogwood-Azalea Festival held at the Gordon Galemore Park with afternoon throw Saturday and morning throw Sunday. For information on any of these events my contact information is David Lohr , Kosh Trading Post at 417-280-6304, koshtradingpost@gmail.com , or koshtrader@hotmail.com .
Apr. 22-24	Earthday Gathering and Mastodon Open 389 Simkin Rd. Elmira, New York ISAC and NYAA events (Team, Individual, Hunter, Distance and European). A New York Atlatl Association, Inc. sponsored and insured event. Contact: Jack; 570-888-8258 rjrowe93@gmail.com or Justin Covey; 570-423-0318.
Apr. 22-24	North Georgia Knap-in & Primitive Arts Festival- April-22nd, 23rd and 24th.. ISAC throw all three days. I will also be holding a Geronimo throw Saturday evening sometime (this is a 1 dart long distance accuracy throw I dreamed up a few years ago) For info on ISAC contest contact- Doug Leeth- email- iceagearts@carolina.rr.com or phone-cell-704-964-4629... For info on the knap-in contact- Mike Swetmon- email- knappermike@gmail.com or phone-770-253-5164 or 678-972-9966.. Come join the fun.....
Apr. 23-24	Columbia, MO. ISAC, Scramble, etc. Please RSVP to Jon Wood by email or text or phone: 573-881-6622 jswood429@gmail.com
Apr. 28	Durango Atlatl Club sponsored ISAC Event in Durango, CO. To be held at Columbine Christian School. Please contact James Turner (970) 946-2096 el_lobo_solo@hotmail.com for more information.
Apr. 30	Leo Petroglyph, Ray, OH 45672 Rendezvous at the Rock – Exhibits and entertainment. OAA will provide instruction and conduct atlatl accuracy contests. ISAC and Ohio locals. 9:00 – 5:00. Contact Ray Strisciek for more information, (ohioatlatl@hotmail.com) 740-331-4351
Apr. 30	Raging Cow Atlatl Event, Grinnell College, Grinnell, Iowa. Open to all, various games including the fearsome Raging Cow, the Megafauna Massacre (3D + moving), tictactoe, whatever, and of course ISAC. Additional ISAC Friday evening and Sunday morning depending on attendance and weather. Contact info: John Whittaker whittake@grinnell.edu Pat Hashman pathashman@gmail.com
Apr. 30	Atlatl throw and ISAC. Open target starts at 2:00 p.m. ISAC starts are 3:00 p.m. Sugarloaf Open Space, 2161 Youngs Valley Rd., Walnut Creek, CA. 94596 Equipment happily provided or bring you own special atlatls and darts. Contact: Ranger Bruce Weidman, 925-817-8732 or orweidman@walnut-creek.org
May 6-8	Letchworth State Park – Perry, New York ISAC (Fri 4pm and Sun 4pm), New York Atlatl Association, Inc. events (Team, Individual, Hunter and European). NYAA fully insured event, part of the Genesee Valley Flint Knappers Weekend at the Highbanks Tent & Trailer Camping Area. Nearby camping, cabins and lodging available. Non-camping participants must stop at the Camper Contact Station to get a visitor's pass. For information contact Douglas Bassett 585-493-3625; Douglas.Bassett@parks.ny.gov
May 6-7	Old Stone Fort State Archaeological Park, Tennessee ISACs on May 6th at 3:00 p.m. , 7th at 3:00 p.m. , and the 8th time T.B.A., Atlatl challenge time T.B.A. For any further questions please contact Ranger Jamie Hambrook at jamie.hambrook@tn.gov or call park office at (931) 723-5073: Old Stone Fort State Archaeological Park, 732 Stone Fort Drive, Manchester TN 37355
May 7-8	South of Hermitage, MO. Pomme de Terre Rendezvous that will be held in the Lake Pomme de Terre outlet Park with a Sat afternoon throw on Saturday and morning throw Sunday. Lake Pomme de Terre is located just South of Hermitage Mo. For information on any of these events my contact information is

	David Lohr , Kosh Trading Post at 417-280-6304, koshtradingpost@gmail.com , or koshtrader@hotmail.com .
May 13 - 15	The Bunn Valley Atlatl Event: 371 Miller Park Rd, Milford, New Jersey ISAC, locals and NYAA events (Team, Individual, Hunter and European). Camping available on site. Bring a dish to pass for Saturday evening. A New York Atlatl Association, Inc. sponsored and insured event. Walt Podpora property. Rte 519 to 615 to Javes Rd to Miller. Contact: Erich Zeh (H) 908-859-4943 ; (C) 908-329-8236 ; Eandzseh@aol.com
May 14	THE LAST TOSS! Atlatl throw and ISAC. Open target starts at 2:00 p.m. ISAC starts are 3:00 p.m. Sugarloaf Open Space, 2161 Youngs Valley Rd., Walnut Creek, CA . 94596 Equipment happily provided or bring you own special atlatls and darts. Contact: Ranger Bruce Weidman, 925-817-8732 or weidman@walnut-creek.org
May 19	Durango Atlatl Club sponsored ISAC Event in Durango, CO . To be held at Columbine Christian School. Please contact James Turner(970) 946-2096 el_lobo_solo@hotmail.com for more information.
May 20- 22	Please join us for the Central States Atlatl Championships to be held in conjunction with Osage Knapln (25th year). The event will be located off I-70 at exit 111 near Boonville, MO . The main event is on Saturday the 21st including ISACs, individual competitions, and also group competitions, Moche and more. There will also be an ISAC Friday evening and Sunday morning. Come represent for your state! (last year there were 5 states represented) For more info contact Jon Wood 573-881- 6622 , jswood429@gmail.com or Ron Mertz devoemertz@sbcglobal.net .
May 21- 22	Kanawha State Forest, Charleston, West Virginia . From 10am to 4pm - ISAC, WV and WV Deer Target contests will be held. Free instruction to the public. Please call Randy Whaley at (304) 812-0599 or e- mail nisaholbrook@aim.com for additional information.
May 27- 29	Letchworth State Park – Castile, New York Trailside Lodge Area. ISAC (Friday 4pm, Sunday 4pm), New York Atlatl Association, Inc. events (Team, Individual, Hunter and European) except during picnic time noted below. NYAA fully insured event. "Learn to Catch a Fish Family Picnic" 11am - 4pm on Sat with no fishing license required at a stocked trout pond, free picnic & door prizes, "Spear-fishing" Carp Target Derby and a variety of learning stations. "Red, White and Blue Balloon Rally" with massed balloon flights at 6:30pm Fri-Sun and 6am Sat-Mon, weather permitting. Nearby camping, cabins and lodging available. For information contact Douglas Bassett 585-493-3625 ; Douglas.Bassett@parks.ny.gov
May 30 - June 4	Between the Rivers Primitive Skills Gathering, Valley, WA (North of Spokane, WA). ISAC each day, Monday - Saturday. For more information contact: Bob Kitch 541-806-4771 or Patrick Farnaman at 509-936-1599, or Between TheRivers Gathering.com.
Jun. 2	Durango Atlatl Club sponsored ISAC Event in Durango, CO . To be held at Columbine Christian School. Please contact James Turner(970) 946-2096 el_lobo_solo@hotmail.com for more information.
June 3-5	World Atlatl Weekend. June 3,4,5 Granneman field. 19505 87th. St. Ottumwa, IA . Fri Isac 5 pm. Sat. 9-5 Isac and State. Sun. 9am. mrgranneman@pcsia.net Roger's # 6417991219
Jun. 4	Athens Public Library, Home Street, Athens, OH 45701 OAA will host atlatl accuracy contests – Ohio locals, ISAC, World Atlatl Day team contests. 10:00 am – 5:00pm. Contact Ray Striscek for more information, (ohioatlatl@hotmail.com) 740-331-4351
Jun 4	World Atlatl Day Competition and ISAC. Glen Oechsner's 167 Minnie lane Campbellsport, WI . Contact Glen: (920) 533-5039
June 4	World Atlatl Day at historic Graham Cave State Park near Danville, Missouri .The Missouri Atlatl Association will be demonstrating & teaching the use of the Atlatl to the public from 10am-2pm. ISAC, World Atlatl Day Team Competition, Moche Toss and other games after 2pm. For more info, contact Jerry Nevins @ 573-353-5313 , wdhd@aol.com or: Graham Cave State Park: 573-564-3476 https://mostateparks.com/park/graham-cave-state-park
Jun. 10-12	Fort Firelands RV Park, 5850 E. Harbor Rd., Marblehead, OH 43440 OAA will provide instruction and conduct atlatl accuracy contests. ISAC and Ohio locals, Friday afternoon to Sunday afternoon. Contact Ray Striscek for more information,

	ohioatlatl@hotmail.com) 740-331-4351
Jun 12	Henschel's Indian Museum, New Holstein, WI. (Badger State Artifact Show),Demo, ISAC, HUNTERS ROUND. Contact Lenny:(920) 917-0335 email wisatlatl@gmail.com
June 16-19	29th Annual Meeting of the World Atlatl Association Meadowcroft Rockshelter and Historic Village, Avella PA Starting Thursday @ noon to Sunday @ 3:00 Primitive camping onsite. Thursday ISAC's and US Open Qualifying events. ISACs and local throws all weekend. Saturday will have Trophy contest awarded by Meadowcroft. Dinner Saturday @ 6:00 Call Margie and Frank @ 740.264.1755 or email margieandfrank@Hotmail.com
June 25-26	Richard Lyons Memorial throw at the George Rogers Clark cabin in Clarksville, Indiana. Falls of Ohio State park. Primitive camping only. No ground fires. Vendor fee is \$35.00. Contact Danny Carlton for more information at mountainman4487@aol.com or call 502-903-1941.
July 8-10	Flint Ridge St. Park, Brownsville, OH OAA will provide instruction and conduct atlatl accuracy contests. ISAC and Ohio locals. Friday afternoon to Sunday afternoon. Contact Ray Strischek for more information, ohioatlatl@hotmail.com) 740-331-4351
July 16	Athens Public Library, Home Street, Athens, OH 45701 Atlatl Educational Day Camp. OAA will provide instruction and conduct atlatl accuracy contests. ISAC and Ohio locals. 9:00 – 4:00. Contact Ray Strischek for more information, ohioatlatl@hotmail.com) 740-331-4351.
July 23-24	Kanawha State Forest, Charleston, West Virginia. From 10am to 4pm - ISAC, WV and WV Deer Target contests will be held. Free instruction to the public. Please call Randy Whaley at (304) 812-0599 or e-mail nisaholbrook@aim.com for additional information.
July 28-31	Atlatl Rattle at Green Flats – Hancock, New York ISAC, locals and NYAA events (Individuals, Hunters & European). A New York Atlatl Association, Inc. sponsored and insured event. Final Team Championships held on the grounds of Ray Turner's Casa de Fumo. For more information contact Douglas Bassett(585) 493-3625; Douglas.Bassett@parks.ny.gov
Aug. 12	Steve Barnett's House near Albany, OH That Dam ISAC - ISAC and Ohio locals. 5:00 pm - dark (or thereabouts). Contact Ray Strischek (ohioatlatl@hotmail.com) 740-331-4351 or Steve Barnett (barnz@juno.com) 740-698-6553 more information.
Aug. 13-14	Albany Fairgrounds, Albany, OH 45710 OAA will provide instruction and conduct atlatl accuracy contests. ISAC, and Ohio locals. Saturday morning to Sunday afternoon. Contact Ray Strischek for more information, ohioatlatl@hotmail.com) 740-331-4351 or Steve Barnett (barnz@juno.com) 740-698-6553.
Aug. 25-28	Stone Tool Craftsman Show (Aug. 28, 29, 30 10:00am to 5:00pm) Highbanks Recreation Area, north end of Letchworth State Park – Mt. Morris, New York 27th Annual Eastern Seaboard Atlatl Competition (State Round, Closest-to-Pin, Distance). August 27, 28 & 29. ISAC, Hoop Toss, New York Atlatl Association Contests (National & International), Throw Over the Gorge Qualifiers & wooded Animal Round all four days. Handicapped Mammoth Hunt (Saturday); Long Distance Accuracy and Atlatl Battle (Sunday). New York Atlatl Association, Inc. insured event. Stone Tool Show contact: Dana & Kay Klein 585-968-1577. Atlatl Competition contact: Douglas Bassett 585-493-3625; Douglas.Bassett@parks.ny.gov
Aug. 27 -28	Kanawha State Forest, Charleston, West Virginia. From 10am to 4pm - ISAC, WV and WV Deer Target contests will be held. Free instruction to the public. Please call Randy Whaley at (304) 812-0599 or e-mail nisaholbrook@aim.com for additional information.
Sept. 2-4	Flint Ridge State Park, Brownsville, OH Flint Ridge Lithic Society Knap-In. - OAA will provide instruction and conduct atlatl accuracy contests. ISAC, and Ohio locals. Lots of booths, flintknapping, crafts, etc. Friday afternoon through Sunday afternoon. Contact Ray Strischek for more information, ohioatlatl@hotmail.com) 740-331-4351 or Steve Barnett (barnz@juno.com) 740-698-6553.

Sept. 4	ISAC Atlatl Event. Brookville, PA . Antique Firearms and Indian Artifact Show. Event starts at 9:00 a.m. and ends at 4:00 p.m. Take the PA Interstate 80 and exit 81. Go 1/4 mile North of the exit Jefferson County Fair Grounds. We will provide atlats and dart for any beginners use.
Sept. 10	Graham Cave State Park near Danville, MO . Archaeology Day. We will teach and demonstrate from 10:30 AM until 2:30 PM. Equipment available. ISAC will begin at around 2:30PM For more info and/or directions contact: Jerry Nevins @ 573-353-5313; wdhd@aol.com or Ron Mertz @ 314-680-3596; devoemertz@sbcglobal.net
Sept. 10-17	Rabbitstick Primitive Skills Gathering, Rexburg, ID . ISAC each morning. For more information contact Bob Kitch 541-806-4771.
Sept. 16-18	Lake Snowden, Rt. 32, Albany, OH 45710 Seventeenth annual PawPaw Festival. OAA will provide instruction and conduct atlatl accuracy contests. ISAC, and Ohio locals. Lots of booths, crafts, pawpaw food and information. Friday evening (4:00) for atlatl, through Sunday afternoon. Admission fee per car. Contact Ray Strischek for more information, (ohioatlatl@hotmail.com) 740-331-4351 or Steve Barnett (barnz@juno.com) 740-698-6553.
Sept. 16-18	Cahokia Mounds World Heritage Site, Collinsville, IL ISAC Friday afternoon. Saturday 9:00 am - 4:00 pm: European Round, Hunters' Challenge, ISAC and fun throws including Moche Toss. ISAC Sunday AM. On Saturday evening, starting around 5:00 PM: Pizza, awards, and a speaker in the Visitor Center. Registration will be \$5.00 per person for non-MAA members; free for MAA members with paid-up dues. Pizza for Saturday evening will be \$5.00 per person. For more info contact: Jerry Nevins, 573-353-5313, wdhd@aol.com or Ron Mertz, 314-680-3596, devoemertz@sbcglobal.net
Sept. 16-18	Letchworth State Park – Castile, New York Trailside Lodge area. ISAC (Fri. 4pm and Sun. 4pm) and local events except during Heritage Day noted below. NYAA fully insured event. "Native American Heritage Day " 10:00am - 4pm) on Sat, Sept 19, with Native American Dance, Crafts and Food. Nearby camping, cabins and lodging available. For information contact Douglas Bassett 585-493-3625; Douglas.Bassett@parks.ny.gov
Sept 30 - Oct. 2	Hoka Hey Farm event at Leon, West Virginia . ISAC, WV, Running Deer Target, 18-hole ATLATL golf course, extreme obstacle course, etc. Contact Randy Whaley at (304) 812-0599 or nisaholbrook@aim.com for additional information.
Oct. 7-9	Indian Mounds Festival, Connett Rd., The Plains, OH Indian Mounds Festival, across the street from The Plains Elementary School. OAA will provide instruction and conduct atlatl accuracy contests. ISAC and Ohio locals. Friday afternoon to Sunday afternoon. Contact Ray Strischek (ohioatlatl@hotmail.com) 740-331-4351, or Steve Barnett (barnz@juno.com) 740-698-6553 for more information.
Oct. 7-9	Old Stone Fort State Archaeological Park, Tennessee ISACs during the Fall Knap-In: on October the 7th at 3:00 p.m., 8th at 3:00 p.m., and the 9th time T.B.A., Atlatl challenge time T.B.A. For any further questions please contact Ranger Jamie Hambrook at jamie.hambrook@tn.gov or call park office at (931) 723-5073: Old Stone Fort State Archaeological Park, 732 Stone Fort Drive, Manchester TN 37355
Oct. 8 - 9	Candor Fall Festival, October 8, Side Hill Acres Goat Farm, State Route 96, Candor, New York . Atlatl contests, events, flea market, baked goods, crafts and more. ISACs set for Saturday October 8 throughout the day and Sunday October 9 at 10:00 a.m. For further information contact Robert and Cheryll Berg at contact@thunderbirdatl.com or 800-836-4520.
Oct. 28-29	Zaleski State Forest, Lake Hope St. Park, Zaleski, OH Ohio ROAR Days - OAA will provide instruction and conduct atlatl accuracy contests. ISAC and Ohio locals. Friday evening (4:00) for atlatl, all day Saturday. Camping available. Contact Ray Strischek for more information, (ohioatlatl@hotmail.com) 740-331-4351 or Steve Barnett (barnz@juno.com) 740-698-6553.

Devin Pettigrew

7700 N Hills Blvd # 201

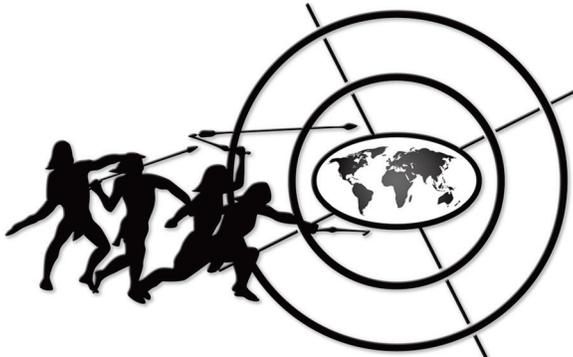
North Little Rock, AR 72116

phone: (479)936-1597

or email: theatl@atl@gmail.com

World Atlatl Association Web Site:

Worldatl.org



The WORLD ATLATL ASSOCIATION. Inc.



An ISAC on French TV