

# National Pouter & Cropper Club



NP&CC



## Bulletin .. May 2016

### Officers:

**President - Darren Maderalli**

(Darrenmaderalli@gmail.com)

**Vice President - Vinny Critelli**

(Vinny@acklem.com)

**Secretary/Treasurer - Frank Barrachina**

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**Bulletin Editor - Barbara Beer**

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# National Pouter & Cropper Club



## Bulletin .. May 2016



### President's Report by Darren Maderalli

#### *Summer*

“Rest is not idleness, and to lie sometimes on the grass under trees on a summer's day, listening to the murmur of the water, or watching the clouds float across the sky, is by no means a waste of time.”

— [John Lubbock](#), 1860

Hello June, Hello our NPCC Membership! I hope this early entry to Summer is yielding you rich rewards in your breeding season.

Here in the Rocky Mountains of Colorado its finally beginning to feel like early Summer. It's been a slow process this year 2016 but finally the High Plains of Southern Colorado daytime temps are in the 80's making for a better breeding experience for me and my Pouters.

Now being at the halfway mark of 2016 my mind wanders and I realize I will be seeing many of you again soon in person at the end of this year for Showtime. Looking forward to seeing what Champions you have raised. NPCC has some wonderful, and amazing innovative Awards that will be making their debut at the end of the year. I think you will be shocked when you see their inspiring beauty all thanks to wonderful design by Frank Barrachina.

Our great Historic Club is doing very well and swelling with a healthy Membership, I would like to thank you for your support. If you haven't had a chance to visit our NPCC Facebook Group please give it a try! Our very own NPCC Facebook Group is growing by leaps and bounds! I am truly amazed at the World Wide interest in our NPCC Group that is 900 Members strong now. Jaw dropping photos & videos from all around the Globe of some super Pouters & Croppers! You couldn't buy this kind of World Wide recognition, so many Pouter & Cropper breeders eager to share their progress with us. Daily I see support of the NPCC Group from, Croatia, Germany, England, Ireland, India, Australia, Middle East, Eastern Europe, and the USA. This is truly a brotherhood of fellow like-minded people bridged together with the common interest and love for OUR Pouters & Croppers!

I would like to take this time to welcome to the NPCC Administration Vinny Critelli our Vice President of the NPCC.

A THANK YOU to my friend Barbara Beer/Bulletin Editor for always doing a knock out job on our Bulletins and for keeping our officers up to date and informed always.

And a big shout out to all of our New Members !

Please keep in mind a new upcoming NPCC Meet in Florida, dates, location will be announced.

Also importantly make a notation of the **Old German Cropper Promotion 'GIVE AWAY' compliments of Frank Barrachina.** Frank has offered to put up one of his best pairs this fall in a contest, all a person has to do is join the NPCC or be a member in good standing. Winner pays shipping and the box, but most important this is Barrachina's Old German Cropper Bloodline and the birds are free for you to win. I will do my best Vanna White and pull the winning name out of the hat **Autumn 2016.**

Contact me or Frank and get on the list.

All of this Great News has me excited for the rest of 2016 and makes me look forward to sharing it with all of you our Great National Pouter & Cropper Club Family!

Your President of the National Pouter & Cropper Club

Darren Maderalli



**Paul Kozak**

February 12, 2015 · 🌐

Here we are unloading Pomeranian Pouters and Steve Dreitz's Swallows at the 2015 Grand Nationals in Ontario. Shown here is our Show Trailer and Trolley Cages specially designed for large Poms. These Trolley... [See More](#)



*Matt Williams / At the 2015 Grand National - Ontario  
Young Mealy Bar Cock - MADERALLI & KOZAK*



Darren Maderalli (Left) Paul Kozak (Right) OF MaderalliKozaks PomeranianPouters  
2 proud guys of a baby Blue Check & a baby Black!... [See More](#)



# NP&CC Secretary/Treasurer's Report

Frank Barrachina

*Hello friends-*

*I hope that you're doing just fine and breeding plenty of good young birds. We had a rough go of it up here a few times this spring with cold temps and bitter winds. Now that really puts the kibosh on the breeding season- but somehow or other we gathered up frozen squabs and chilled eggs and kept going. And now, of course, we're in the midst of a decent breeding season.*

*Before I go into my report I want to tell you about being retired. It's just not a boring time of life- You get busy with all kinds of projects and it seems that the days just fly by. But it's a good time of life and we try and make the best of it! On to club business:*

## **Barbara Beer gets sick!**

*Our dear friend and club bulletin editor recently was hospitalized with pneumonia. She was quite sick but at this writing is back home and doing much better. I know you'll join with me in wishing her a total and speedy recovery.*

## **Treasury:**

*After paying for a number of terrific hand made awards we've got \$1109.00 in the till. I will feature some of these in the bulletin. They are: medallions; key fobs, money clips, and a large medallion. I thought that I'd spread the "wealth" so to speak and get more bang for the buck. Once again- no club gives out as many terrific awards as NP&CC!*

*We also have our ceramic cup and beer stein awards that I'll be ordering soon. These will feature art work that Danny Johnson commissioned Diane Jacky to do for him in 1979 of a blue Pom. It's quite a beautiful watercolor and will make for great new awards this year in addition to all of the others we give.*

## **New Members:**

*We'd like to welcome the following new members and thank them for joining the NPCC:*

*Hasan Rahman, 406 N. Terrace Dr., Wichita, Kansas 67208- Hasan is working on building up his stud of Reversewings and Poms.*

*Charlie Shelley, 1721 Florence Ave., Kingman, az. 86401- Charlie has Pigmy Pouters again.*

*John Nelson, 854 Lafayette Ave., Bohemia, N.Y. 11716- John is new to pouters but not to pigeons. He president of the Nassau Suffolk Pigeon Club. By the way- he's not to be confused with John Nelson of Michigan.*

*Welcome to your club gentlemen!*

***Shows and Judges:***

*We need to start formulating plans for our meets and selecting judges for them. Our meets, by the way are:*

*Great Western in Gilroy, Ca. in October*

*Big Apple Show, Nov. 19th in Conn.- I'm hoping that we'll be back east at that time and the Beers have asked if I'd judge the pouter meet there.*

*Pageant of Pigeons- Dec. 1-3\* (new date this year) Ontario, Ca.*

*Florida Show- Awaiting info on this from Bonnie Lewis*

*Grand National- Jan. 12-14, Vancouver, Wa. Dedicated to the memory of our club member Brian Lee who tragically passed on this spring.*

*New Ulm Show- Feb. 2017*

*Please let's get some input from you on these shows and your selections for judges or judge. Please contact me with your selection(s).*

***YOUNG & YEARLING SHOW-JULY 16th- PINON HILLS, CA.***

*The annual young and yearling show is scheduled to take place here at our home in Pinon Hills. This has always been a self sustaining/self funded get together. This year's show is no exception.*

*Entries are \$20.00 per member which includes a great lunch and the chance to win some neat awards. Non members who attend will be charged \$10.00 each to cover lunch.*

*I will send all of our California members directions at the end of the month.*

***SATURDAY JULY 16th***

*Hope you can make this fun event!*

## ***Vaccinating for Paramyxo:***

*This is the disease that never seems to go away. Rather than go into a dissertation on it, you can look it up on the internet. I have seen recent posts on facebook of birds in the upper Midwest with the typical symptoms of curving their necks downwards with the head upside down. It kills most young birds and ruins many birds as well.*

*The one thing that is certain is that if your birds are not vaccinated they are at risk. Presently the vaccine is not being manufactured in the USA due to the fact that the company that did wasn't making enough profit on it- typical American corporate greed even affects our hobby!*

*You can buy European vaccine from Foys. And it works just fine. You can check with Foys on this. Please keep in mind- only paramyxo vaccine works with pigeons. The La Sota poultry vaccine for Newcastle disease with the eye drops **is an ineffective vaccine against Paramyxo- it doesn't work.***

*One last note- if you have this disease in your birds you can still slow it down and stop it if you vaccinate **all** of your birds. And not just your pouters, but your feeders, etc. As the old saying goes- an ounce of prevention is worth a pound of cure...*

\*\*\*\*\*

*Well, take care! Best wishes for a good summer and successful breeding season.-*

***Frank Barrachina***

# Some Good Tips

by

Frank Barrachina

## SOUR CROP:

It seems that summertime with its hot days are most conducive for a big globed pouter to get sour crop. This condition is caused when a bird over eats or over drinks and the crop just hangs down with the contents carried below the opening in the body for the digestive system.

This can be brought out by a number of things- sometimes big globed hens get sour crop when they are going to lay eggs; for some birds feeding youngsters on hot days brings about what seems to be an unquenchable thirst and as the crop starts filling with water it begins to sag and drag. Lack of calcium and grit in the diet screws them up too as do irregular feeding patterns when birds go without feed or water for prolonged periods of time causing them to gorge when they are fed. The worst problem is caused when pellets are fed. They expand when wet and cause the crop to sag and are full of salt which causes the birds to drink and drink. Never feed pellets to big globed pouters!

Sour crop causes the contents of the crop to become acidic. When a bird has sour crop the crop hangs below the opening of the body and despite the fact that it is full, virtually nothing enters the digestive system and the bird still feels hungry and continues to eat. There is a time tested way to deal with this- cone the bird.

When you cone a bird you are wrapping it in a newspapers in the shape of a cone or funnel. Basically you are rolling the bird in the newspapers and the cone is formed by the bird's body shape. The legs are positioned back (so it can't climb out of the cone) and the coning is done in such a fashion that it holds the bird together with the crop held up.

Don't wrap the bird tightly or you may kill it. Just snug it. Also the bird must be elevated or propped up so that the contents of the crop can pass into the body to be digested naturally. You want to make sure that the entire bird is in the cone and not have the wing tips and tail extending out and used to prop it up. WRONG! This causes the bird undue pain.

Anyway- depending of the extent of the sour crop the bird will need to be coned overnight away from the other birds in a safe pen by itself. It should be released from the cone in the morning. Do not give it feed, just a little water. By the way, sometimes the crop contents need to be loosened with water and I give these a shot of water with a Monoject syringe (which you can buy a better animal supply feed stores). I forgot to mention that you should also give the bird a half Tums antacid pill by mouth before coning. This helps sweeten the crop contents. Sometimes these birds need a couple days of coning off and on to get them over the problem. But keep it by itself and carefully monitor the food you feed.

In the summer time I don't let my big cropped pouters raise their own young. I have feeders- Homers and crosses for this purpose. Sour crop doesn't have to be the end of the line for a good bird. Anyway good luck and if you need more help call me.

### HELPING SQUABS:

I'm sure you've gone out to the loft and found a squab on the ground that has been knocked around and kind of out of it. Then sometimes when you put it back in its nest the parents ignore it even though its starting to fledge. So what to do? Leave it and hope for the best against all odds or act positively.

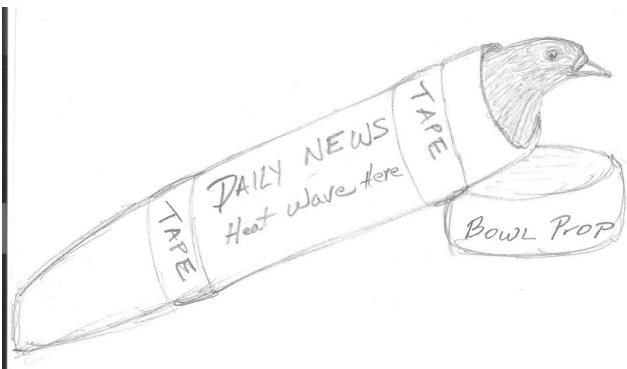
I've had some very good success in raising some of these youngsters by hand using Medicated Chick Starter Crumbles. The ones I use are 21% protein and have an antibiotic in them. I like the antibiotic because quite frankly when squab is in the middle of the floor it's exposed to whatever bacteria is there. It's stressed and more susceptible to disease. So to me, this product is just the thing to get the youngsters growing and progressing.

It's an easy feed to prepare. I put some in a plastic cup with a little warm water. You'll notice that it expands or puffs out. Add a little more water and let set for 15-20 minutes. You can then add a little more water and mix into a mush solution and feed with a monoject syringe. No need to modify the syringe or put the crumbles in a blender. The only thing is that the "O" ring on the plunger needs to be lubricated with cooking oil to make it easy to slide.

I usually feed the youngster with this for a week or two and then start to feed it grain by hand and teach it to drink by poking its head in a water cup.

Also, I clean up the syringe after each use and throw away whatever mush I have left (try to mix up small quantities so as not to waste it). The thing you need to keep in mind is that you don't want the mush to spoil. Using it immediately and always freshly made is the absolute best way.

This is not a substitute for EXACT handfeeding for baby squabs but something that can be used on older ones.







**Medallion awards for 2016**

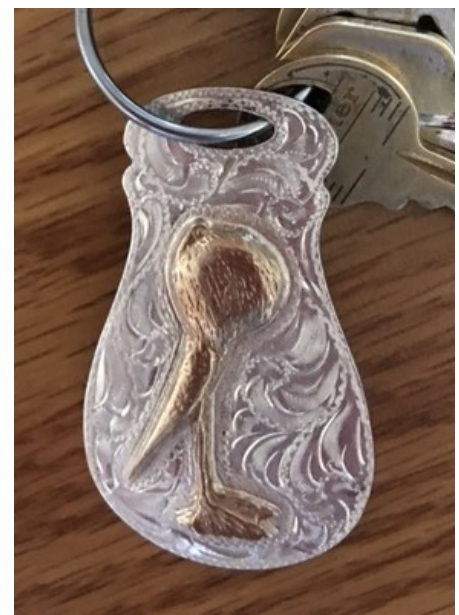
**To be mounted on plaques**

**silver and bronze**



**Left:**  
**Pomeranian Pouter**  
**key fob 2016 award**  
**brass and silver**

**Right:**  
**One of the styles for**  
**the key fob awards**  
**for 2016 award**  
**English Pouter**  
**silver and brass**



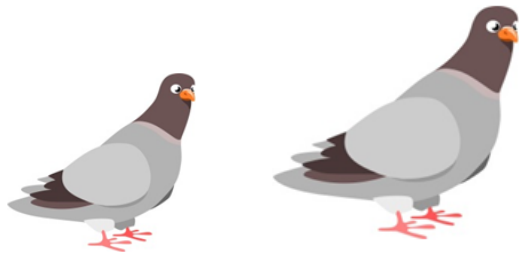




### **Pomeranian Pouter**

**Artwork for Trophies .. Done by Diane Jacky  
in 1979 for Danny Johnson.**

# Vice President .. Vinny Critelli



## GREETING'S POUTER FRIENDS

The breeding season is finally up and running here on Long Island. I have some baby Voorburgs and Brunners so far. Frank sent me a nice pair of Old Germans, and I'm waiting for them to get going. As usual, I have my floor breeders. We have nice empty nest boxes, and yet they insist on nesting on the floor. I made a few squares out of wood to help protect them. I use the natural granulated floor covering. The birds like it, and it helps to keep my Old Germans clean. It last a while if you rake it out every week. I change it every six months. Keeps the floor dry, and helps keep away bacteria.

Hopefully, we will get a chance to meet up at some of the shows this year. What I like most from our hobby, is meeting and talking to my fellow pigeon hobbyist! The friendships made throughout the years are more valuable than the trophies.

Our club looks like it is moving in the right direction. Darren is doing a great job as president and the bulletins are looking great, thanks to the Beer's. Of course you cannot forget our Anchor, Frank Barrachina. He has been working hard for the club for many long years, and I can't imagine the club without him.

Stay well, and keep us updated on those future champions. Feel free to call or email me anytime.

Regard's  
Vinny





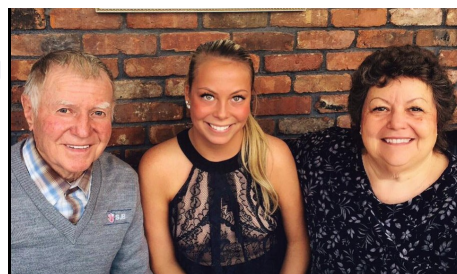
These are some of my Voorburg and Old German.

Vinny



# Barbara Beer

## Bulletin Editor



Hello Everyone,

Hope this finds you doing well and having a great breeding season. We have a few nice youngsters coming up and are hoping to breed a Champion.

So far our Spring has been more like winter. It still really hasn't warmed up and this week we had quite a lot of heavy rain. They say it is supposed to warm up but I'll believe it when I see it.

Last weekend we had a boat in our canal go on fire. It was fully engulfed in flames as it passed our house coming extremely close to our dock and the boats we have tied up here. The people that were on board had to jump overboard, they were ok. See picture below. It was quite a sight and a scare.

Getting back to the Pouters .. I have put an article in on hand feeding. If you need any additional information, please don't hesitate to call or email me (631 226-3534 .. [bbeer194@aol.com](mailto:bbeer194@aol.com)).

If you have anything you would like to appear in the Bulletin, please send it at any time and I will hold it until the next Bulletin.

Take care and happy breeding.





Hello Everyone,

I was in the hospital with pneumonia for a few days .. got knocked on my kiester .. but I am now recuperating at home .. Doctor gave me orders DO NOTHING or you will be back in the hospital, so I am just taking it really easy.

Just wanted to send a THANK YOU to everyone that sent me get well wishes and prayers.

Take Care & Thanks Again

Barbara

Frank sent Lothar a gift of the Pomeranian Pouter Engraved Key Ring (as seen on the page before).

It is really gorgeous. The picture really doesn't do it justice.

THANKS FRANK

**Sad News:** Brian Curley, a pouter/cropper breeder from New Jersey, passed away in May from ALS (Lou Gerrigs Disease) . He was a young man who was only married a couple of years to a really nice young woman. We are so sorry for his loss.

# Hand Feeding

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by: Barbara Beer

We have been hand feeding for many years and find it easy and advantageous. The youngsters that the adults have not fed properly or stopped feeding survive and thrive.

**We us EXACT HAND FEEDING FORMULA and find this the easiest and best to use .. and a syringe (pictured below).**

Mix just enough formula to feed this one meal (it should be made fresh every time you feed) and it should be the consistence of ketchup. If you are unable to get Exact, you can use pigeon pellets put in the blender until it reaches the correct consistency. This formula can be used after the milk faze of feeding. We usually feed twice a day just enough to fill the crop **but without overfilling** (and before you give the second shot make sure the crop is empty - if it isn't empty, don't give the second shot - sometimes it takes a day for them to start to digest the change of food and sometimes they take to it right away.

Once you start to hand feed it takes time before they begin to eat on their own. They wait for you to feed them (they become lazy). When we feel they are old enough to start to eat by themselves, I start to give them some grain and then the formula so that they get the idea of swallowing grain. Then when they are in good shape I feed one day and skip one day then feed one day and skip one day till I see they are eating on their own.

If you think they require some medicine you can put it in the syringe with the formula.

**GOOD LUCK & HAPPY BREEDING - BREED A CHAMPION**

If you need any additional information, please don't hesitate to call or email me.

**A 60CC Syringe (2 Oz) and a flexible tubing  
(I purchase in a roll) and put on the tip of the syringe.**





Left:  
Ibrahim Shaheed  
and his first  
Black  
Reversewing  
Pouter



Right:  
Paul Kozak  
and his Pal  
Feeding and  
cleaning.

\* \* \* \* \*

## Bob Bollinger's Loft





## ***Build a Bench for Closer Bonding. By John McDougall***

In 1984 I built a bench at waist height into the fly pen of a new loft. I figured it would bring the birds nearer and make it easier to work with them. The bench proved a much greater asset than I had imagined and these days I can't conceive of building a loft for any breed without including a fly pen "workbench". They are particularly suitable for our user friendly Voorburgs, and should work equally as well for any of our amicable Pouter or Crop-per varieties.

The width of the bench is controlled by how far one can reach, since the fancier must be able to get to a bird in any area of the pen.

For the bench I use painted exterior plywood and place a rim on the outside about an inch high and a rim on the inside about half an inch above the level of the plywood. These rims contain sand which is deeper at the outside edge then at the inside. The surface sand tends to move towards the inside where it drops over the edge. I top up the sand every two weeks or so depending on the number of feathered occupants.

The plywood floor is the piece left over from cutting the benches. My 6 by 8 foot fly pens require one and a half sheets of 4 x 8 plywood. It exactly covers the area available. The fly pen floor under the benches is covered with 1/2 x 1 welded wire.

The birds particularly enjoy hanging out on this wire on hot days as a cool breeze blows up from below. The bath pans are also placed on this wire so any spillage is a non-problem and they can be emptied by simply turning them over.

The photographs show the current setup in the pen that I use for hens and youngsters. The bench increases floor space by seventy-five percent bringing with it a considerable decrease in stress level.

It is not necessary, of course, to be so elaborate. A simple wide shelf at a comfortable level anywhere in the fly pen will do. Make it large enough so that you will be able to feed the birds on it, a change that will automatically bring them closer to you. The bench or shelf is also the perfect place for finger feeding, a fundamental path for bonding with our affectionate birds.

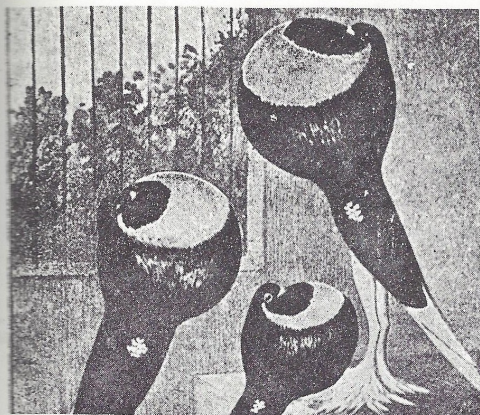
I am glad to speak with anyone who has questions about the benches or is into Voorburgs: [541 535 3969](tel:5415353969), [voorburgbeach@gmail.com](mailto:voorburgbeach@gmail.com)





Here is an old article from the 1966 NPA Grand National in Costa Mesa, California. I thought it might be interesting from a historical standpoint for the National Pouter and Cropper Club. I also have some pictures of the winners of those long ago days .

## Bob Nolan



W. SCHMECKPEPER, *President*  
Chicago Heights, Illinois

### The National Pouter & Cropper Club

MARTIN BAYER, *Secretary-Treasurer*  
12928 Highland Avenue  
Blue Island, Illinois

Pigmy Pouter	Gene Mezzanatto
English Pouter	Martin Bayer
Brunner Pouter	Henry Schnibben
Norwich Cropper	Martin Bayer

#### POUTERS AT THE GRAND NATIONAL

By Martin Bayer

Older fanciers can readily recall the widespread popularity of pouters in the past and they have been quick to notice the rise in the number of pouters being exhibited in America in recent years. This has been due, in part, to the strong effort made by members of the National Pouter and Cropper Club to interest other fanciers in pouters and croppers and to supply them with breeding stock. The growing success of this program could be seen at the Costa Mesa Grand National Show in the combined entries of 168 pouters and croppers.

It was a pleasure to have that old master pigmy breeder Harry Baldwin judge the pigmy pouters. A good pouter judge can stop showroom spectators in their tracks as he puts the birds through their paces, and Harry can still talk to pouters as few other men can. A California bird, an old blue hen bred by Gene Mezzanatto was judged best-in-show. Don McCain from Colorado with a young yellow cock and Tom Mack with a Wisconsin bred old white cock topped their classes but stepped back for a lady, as is often the case. Harry remarked that, while type and coloring were very good, more attention should be paid to reducing the size of these little birds.

The recent infusion of European blood into American croppers has done much to improve the vigor and coloring of Norwich croppers. Birds from the lofts of 13 fanciers passed through the judging area making this the largest entry of croppers seen on the west coast in a long time. Well known cropper men such as Nolan, Kooiman, Callahan, Schmeckpeper, Bullens, Bayer and Crown supported all classes. Martin Bayer's old red cock took top honors followed closely by the beautiful birds of Saramento, Nolan and Jorgenson. It is not often that an AOC bird proves to be a strong contender in the finals, but the judge, Dick Pfarr, felt that Clyde Crow has such a cropper in his old strawberry cock.

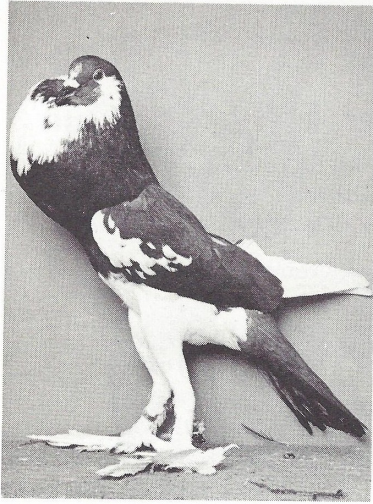
Some of the finest English Pouters in America were entered in this show and Dick Pfarr had the honor of passing on the big pouters. A flashy young blue hen from the Bayer loft was judged best English pouter. The judge pointed out that the English, as well as the pigmy pouters, benefited from the all important training given them before showtime. This hen was also the choice of Bob Moore who was in the gallery. Many of his old friends will be happy to know that Gentleman Bob still has a sharp eye for a good pouter-and the ladies too.

At the NPA banquet on Saturday night it was announced that Milwaukee will be the site of the next Grand National Show. The members of the NPCC feel confident that this show will again show the continued rise in the popularity of the blowing breed of pigeons.

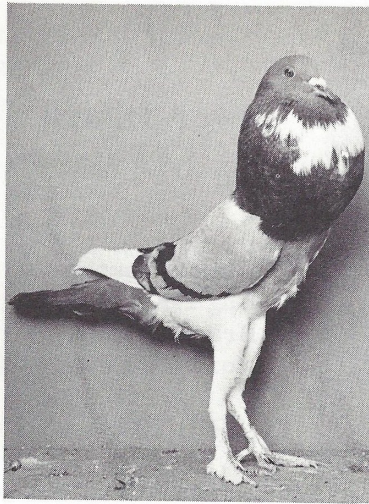
Our thanks go to the hard working members of Los Angeles Pigeon Club who staged one of the finest and largest shows of its type to date.



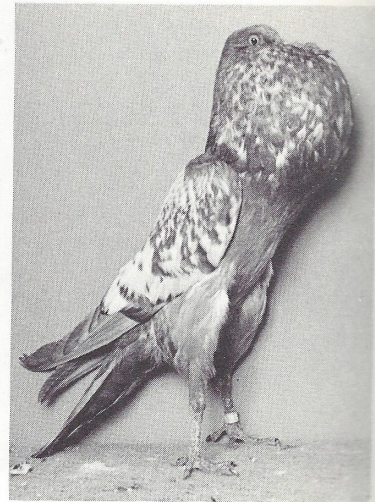
## Pictures of Martin Bayer with Tally Mezzanatto's dad Gene.



BEST BLACK ENGLISH POUTER  
#303 Black O. C. - Martin Bayer  
Photo by - Don White



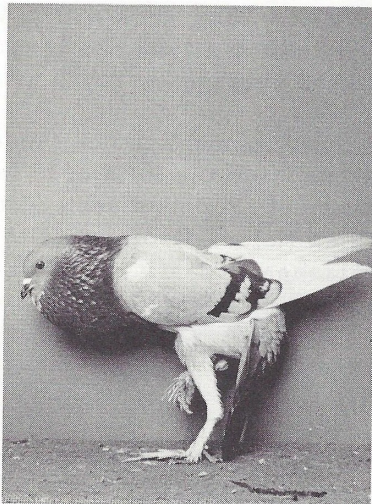
CHAMPION ENGLISH POUTER  
#602 Blue Y. H. - Martin Bayer  
Photo by - Don White



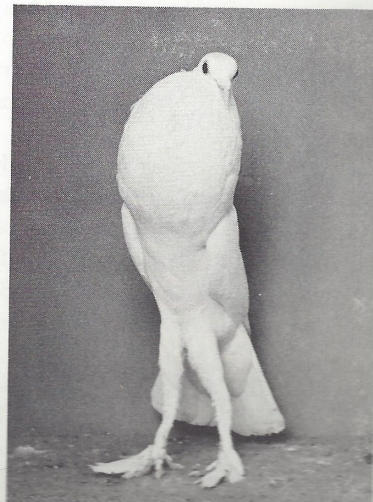
CHAMPION BRUNNER POUTER  
#955 Silver Check Y. H. - Harry Schnibbe  
Photo by - Don White



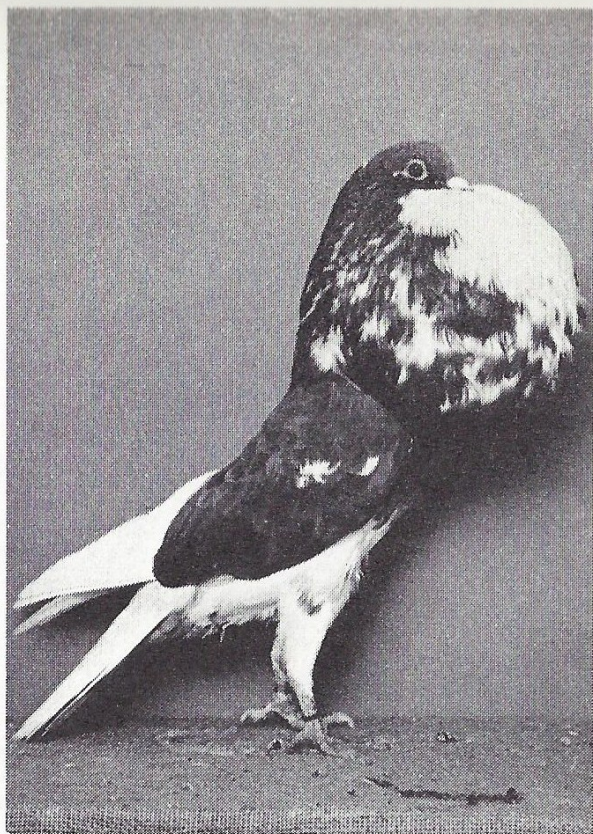
Martin Bayer of Illinois and Gene  
Mezzanatto admiring Frillbacks  
Photo by - Metcalf



CHAMPION PIGMY POUTER  
#358 Blue O. H. - Gene Mezzanatto  
Photo by - Don White







CHAMPION NORWICH CROPPER  
#980 Red O.C. (German Import) - Martin Bayer  
Photo by - Don White

German imports from 1966  
that won for  
Martin Bayer  
at the Costa Mesa  
National 1966



BEST BLACK NORWICH CROPPER  
#906 Y.C. (German Import) - Martin Bayer  
Photo by - Don White





Here is a photo of my  
'15 Pageant Champion Pigmy  
Pouter blue opal bar  
yearling cock.

Tally

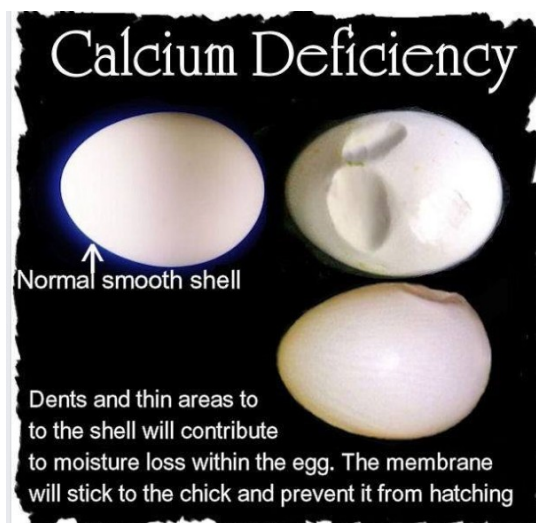
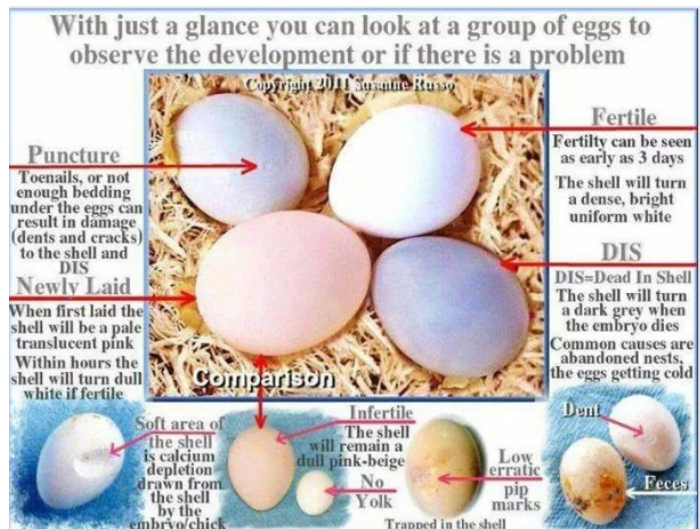
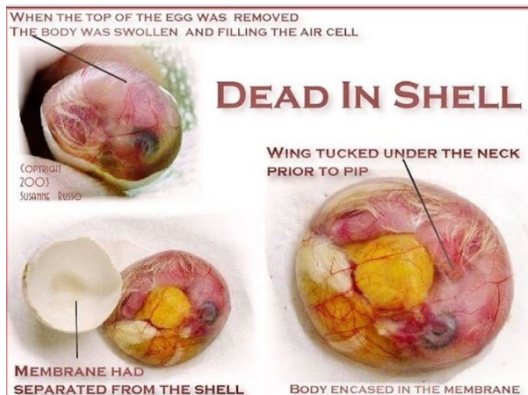
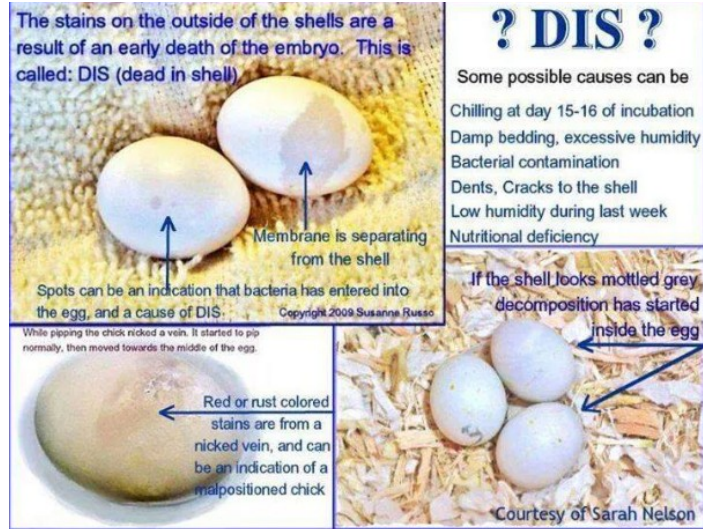
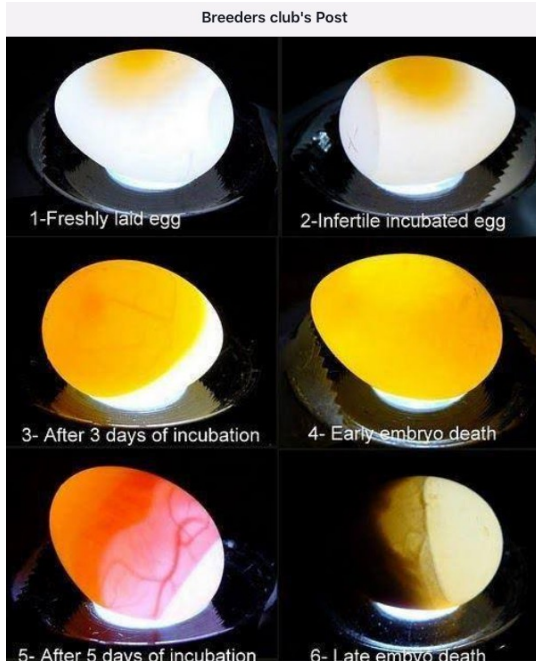
I am working on improving  
the white pigmies these days.  
Don't see them out here like  
in years past. Sieglinde Tate  
is also breeding white Pigmy  
Pouters now and she showed  
some at the '15 Ontario, CA  
Nat'l and won the class.

Tally





# Eggs & Their Problems .. Taken off of a Facebook Post





**Normal**  
After the egg is laid take note of the size of the air cell. This will be an **IMPORTANT** reference later on as the egg develops

**Monitoring the Air Cell Size**

**What to look For?**  
A change can be the first alert to a problem

**Small**  
**Excess Humidity**  
The shell is porous and when humidity is high the chick swells in the egg which decreases the air cell size. The chick is at risk of drowning or smothering in the egg

**Pip**  
Approx. 24-36 hrs.  
During this time the chick draws the blood and yolk into the body

**Tilted**  
At 16-17 days the chick will turn in the egg towards the air cell. The egg-tooth is used to Pip the inner membrane and exterior shell at the edge of the air cell

**Cutting Out**  
Approx. 10-30 min

**Low Humidity**  
Common cause of DIS

**Large**  
As the egg loses moisture the inner membrane adheres to the chick preventing it from turning to pip the shell to hatch

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**What you want to see**

**Pipping**  
Normal and Malpositioned

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I have noticed that weather and environmental temperatures can have an impact on eggs. If the environment is hot development is accelerated, and the chick can hatch a day early. Cool/cold temps. can delay the hatch by a day.

**Erratic** weather, such as storms one day followed by hot or cold weather the next, then storms again can have an impact on a pipping egg. I have noticed when the weather was erratic so were the pips on the shell like the chick was lost and wandering in the egg.

**Normal**  
Pip is at the lowest point of the tilted air cell  
Counter Clockwise  
Cut out time 10-30 mins.

**Problems**  
What you don't want to see

**Malposition**  
Piping out the side of the egg  
Piping out the bottom of the egg  
brown stains are nicked blood veins (non-fatal)

**Thick shell and membrane**  
Can be a result of over supplementing of calcium, vitamins and minerals

**EGG REPAIR**

The shell provides a safe and protective environment for the developing embryo. Damage to the shell can be repaired resulting in a successful hatch.

Various things can be used for repair such as nail polish for small repairs, to spackling and glue for large repairs.

If the damage occurs within the first week, AND fluid is leaking from the egg it will not survive. There should be NO fluid leaking from the egg. Damage during the last week of development, including eggs that bleed can be repaired and saved.

**1**  
This egg was pipping. I used scotch tape to stop the bleeding, and cover the puncture.  
Tape

Punctures from toenails and/or sharp objects

**2**  
This egg was a week away from hatching.  
Shell  
I glued a piece of shell on the puncture, and it hatched

**3**  
Oops! I dropped the egg (accidents happen)  
Then coat with glue.  
Fill large dents with spackling

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**CANDLING**

Of eggs showing the external pip and the normal position of the chick prior to hatching. Once the first external pip and draw down occur then the chick will draw the blood and then the yolk into the body. This can take from 12-24 hours. Once the chick is ready to hatch it will pip and rotate counter-clockwise to cut/crack around the inside of the shell. This is called cutting out. the cutting out time can be from 10-30 minutes.

The top/center egg illustrates how the candled egg should look prior to cutting out.

**Pip**  
**Eye/Head is positioned to the right and lower of the pipped shell**

**External pip**  
The drawn-down membrane on the chick is lower and left of the pip. The eye/head will be higher and to the right below the external pipmark of the shell.

**Egg at 16-17 days**  
\*Prior\* to pip

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**AN INSIDE VIEW**

The Chalazae holds the yolk stable and centralized in the egg

Embryo will always turn/rotate towards the heat source

**Chalazae**  
Is made up of thick strands of albumen

The Germinal disc (blastoderm) is the small circular white spot on the surface, and where the sperm will enter the yolk. The embryo develops from this disc and sends blood vessels into the yolk to use for nutrition as the embryo develops.

The yolk provides nutrition. It also provides maternal antibodies, passed on from the mother. These antibodies provide a passive immunity until the bird becomes immunocompetent.

Development at 5 days of incubation

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**Hope everyone enjoyed this Bulletin.**

**Please**

**If you haven't already paid your  
dues for 2016, please send them  
to Frank so that you will  
continue to receive the Bulletins**

**Please send in your \$15 dues  
to**

**Frank Barrachina**

**National Pouter & Cropper Club  
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**Take Care**

**and have a Great Breeding Season 2016**

**I would like to thank everyone who sent pictures,  
articles and info for this Bulletin .. That's what makes  
a really good Bulletin & Club:**

**Barbara Beer**