

PRONGHORN 1st Quarter 2017 Volume 23 Number 1



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AAF Mission Statement:

The Arizona Antelope Foundation is an organization dedicated to the welfare of pronghorn antelope. The Foundation's Mission is to actively seek to increase pronghorn populations in Arizona through habitat improvements, habitat acquisition, the translocation of animals to historic range, and public comment on activities affecting pronghorn and their habitat.



ON OUR COYER
ANTELOPE HERD PAUSES IN THE FOREFRONT OF THE MUSTANG MOUNTAINS.

PHOTO CREDIT TO BETTY DICKENS.

THANKS FOR CAPTURING THIS MOMENT TO REMIND US WHY THE ARIZONA ANTELOPE FOUNDATION EXISTS.

Pronghorn is a quarterly newsletter for the members of AAF. Letters, comments, news items, articles, pictures and stories are all welcome and will be considered for publication. Address all such items to:

Lenée Landis, Pronghorn Editor, PO Box 12590, Glendale, AZ 85318, or by email at info@azantelope.org.

PRESIDENT'S MESSAGE

Welcome to the Spring 2017 Issue of the Pronghorn, the quarterly publication of the Arizona Antelope Foundation. In this issue we have our usual super articles on antelope issues including a great article by Glen Dickens, our Vice President and Project Chairman. The article is on the workings of the HPC process (Habitat Partnership Committee) with the Arizona Game & Fish department (AZGFD). It will give readers who are not familiar with this source of wildlife project funding through the department an idea of what is being accomplished.

To tie into this theme a bit more, of the two Antelope Tags that are auctioned off annually, the first one has sold this year and went for \$40,000.00 and was bought by someone who has had the tag several times and is a huge advocate of Pronghorn! These funds are sorely needed and we appreciate the support that was given to this tag! The other tag will be auctioned off at our fundraiser on June 17th at the Embassy Hotel in Tempe, (See Advertisement in this issue), PLEASE come to the Banquet and support antelope and their habitat!

We have also just recently completed another successful raffle for an Outdoorsman Scope and we appreciate their support!! This raffle will be ongoing every month, so please be sure to purchase tickets when we send emails or check our website for the latest raffle and support our sponsors as well! All this money is used to benefit Antelope and their Habitat.

I want to Welcome Lenée Landis aboard as the New PRONGHORN EDITOR; she has already been holding my toes to the fire to get this out on a timely basis, Thank You Lenée!

Last issue I planted a bug in everyone's ear about Charitable Contributions from IRA to Non-Profits. Of course the CPA's that I asked to write the articles I didn't ask until they were knee deep into Tax Season, so that article will be forthcoming in the next issue, but you can still talk to your tax advisor about such an arrangement.

The AAF had a presentation to our Board of Directors from the AZGFD on some of the issues affecting antelope habitat and antelope in the Prescott



Valley area. It appears that, much like the Willow Lake antelope herd that ended up landlocked by development in the early 2000's and eventually winked out, the same thing is happening all over again with the Glassford Hill herd. Unfortunately, with all the development plans from Dewey to Paulden, this is going to be the defining issue for Unit 19A antelope for the next 15-20 years. One option is to do nothing, this in my mind is NOT an Option!

We may be too late to save the habitat via conservation easements in that area due to the extremely high cost of land but we can hopefully have some influence on keeping some migration corridors open, educating the public on wildlife and habitat issues, and hopefully preserving that gene pool up there by encouraging pronghorn transplants from that area to other areas in Arizona that are still devoid of Pronghorn Antelope.

(continued on page 15)

HPC=HABITAT PARTNERSHIP COMMITTEE WHAT IS IT AND HOW DOES IT ASSIST ARIZONA PRONGHORN ANTELOPE??

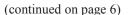
BY GLEN DICKENS, AAF VP AND PROJECTS/GRANTS MANAGER

FUNDING:

The program's primary funding source is Special Big Game License-Tag funds. The HPC strives to incorporate multiple funding sources and partners with matching funds and labor to bring the maximum benefit to wildlife on each approved project. The Arizona Game and Fish Commission annually awards three special big game license-tags per big game species (pronghorn being one) to nonprofit wildlife conservation organizations (Antelope Foundation receives two) that auction or raffle these tags to raise funding used to benefit the wildlife species for which the license-tag is issued. The sponsoring wildlife conservation organizations must cover all marketing and administrative costs for the license tag sales, and 100% of the money raised is returned to the state of Arizona Game and Fish Department (AZGFD).

This year one of the AZ antelope tags was auctioned in February for \$40,000 dollars at the annual Wild Sheep Foundations annual conference held in Reno, Nevada. The second tag will be auctioned at our upcoming annual Hunter Recognition/Fundraising Banquet to be held on June 17th, in Tempe. The third tag will be awarded on July 20th to some lucky hunter who has purchased a \$20 antelope ticket chance in the drawing put on by the AZ Big Game Super Raffle. The funds raised from all three events raise somewhere between \$85,000 to \$130,000 depending on the year for use in the HPC process for the benefit of pronghorn antelope.

These funds are allocated through the HPC Program by collaboration between the AZGFD and Arizona's wildlife conservation organizations that market and sell the tags. Once project proposals are submitted, the AZGFD coordinates with these wildlife conservation organizations and funding is allocated to the projects that provide the most benefit to big game species in Arizona.







Above—Malpai Tank cleanout, July 2013 Below—Malpai Tank and overflow, December 2013



PROJECT DEVELOPMENT:

Annually during the summer, Federal land management agency partners, private partners, wildlife conservation organizations and District Wildlife Managers develop deserving species or multi big game species projects. Sometimes this starts as stating an observation, e.g. *'This is excellent antelope and mule deer habitat but it is lacking a permanent water source.''*

They all work together to develop a plan of on the ground action that will enhance habitat for the respective species. The project proposal is quite detailed and includes all the project information/timelines/species/habitat benefits, proposed funding and funding matches and who will be the lead for project implementation.

These project proposals once developed are submitted to one of 13 Local Habitat Partnership Committees located across the state and co-chaired generally by one of the local conservation organization's officers and the lead Wildlife Manager Supervisor for that sector. They generally hold up to two or three planning/discussion meetings and ensure the sector proposals are submitted to the Phoenix based HPC Coordinator by the September 1st deadline. Currently this job is filled by Dan Sturla.

FUNDING ALLOCATION

The Phoenix staff of the AGFD then review and evaluate all the projects by species and lend them some priority in comparison to one another. The projects are then provided by species list to each of the wildlife organizations by November 1st for their evaluation and prioritization. The next stage is the all-day sit down in early January of all the principle "critter groups" which include but are not limited to the Arizona Antelope Foundation (represented by our President and Vice President), AZ Deer Association, Mule Deer Foundation, AZ Elk Society, Rocky Mt. Elk Foundation, AZ Desert Bighorn Sheep Society, and the Wild Turkey Federation. At this session, each project is put up one by one and receives a vote for funding or not and a pledged amount from each of the species groups. In many, many cases there is strong overlap benefitting antelope/mule deer and elk and the projects receive funding from all three species tag accounts.

The "leveraged multi-big game species approach" this past January resulted in 19 pronghorn projects receiving funding utilizing \$182.9K of antelope tag funds which included \$20K from our National Fish and Wildlife Grant funds, \$213.2K from elk, \$110.4K from mule deer, and \$16.8K from whitetail. Grand total of \$523.3K benefits antelope as well as elk/mule deer and whitetail! All funds allocated this past January totaled over \$2.3 million, all benefitting Arizona's big game species.

Some of the projects titles—to give you a sense of the types of projects funding—include:

- West Tumbleweed Pasture Bonita Grasslands Restoration Phase 7 Unit 32
- -Steele Hills Water Catchment Unit 31
- Bonita Aerial Coyote Removal Phase 2 Units 31/32
- - Dirt Tank Cleanouts Unit 9
- -Bar T Bar Quail Hill Brows/Grassland Restoration Unit 5A
- Agua Fria Grasslands-Gyetta Prescribed Fire Unit 21



Solar well, Hart Pasture, Babocomari Ranch

We want our readers to have this overview of the Habitat Partnership Process and funding as in future quarterly issues of the *Pronghorn* we will be featuring photos and summaries of the completion reports from one or two of these important habitat improvements. We also want you to know how and on what your big game species tag funds are being utilized and spent.

The following photographs show some of our projects:





Abner Well Redevelopment



Davis Pasture—Water





Sonoran Pronghorn

UPDATE



BY JILL BRIGHT AZ GAME & FISH FEBRUARY 2017

Captive Breeding:

The pronghorn in Cabeza pen continue to do well. There were 2.1 inches of rain in February with one large storm on February 18/19 dropping 1.7 inches. The washes flowed but no major damage occurred. The perimeter fence in one of the wash areas was bent over quite a bit but still standing; consequently the t-posts were re-pounded into the ground. Removal of debris from the fence in several areas was also required. Several smaller rainfall events added to the total. The pen and surrounding desert areas are extremely lush with a carpet of forbs. The pronghorn have almost entirely stopped eating alfalfa and are feeding on native forage in the pen. No newborn fawns have been observed yet.



Cabeza Prieta captive breeding pen, February 2017

A coyote was on camera in the pen the morning of Feb 14th but there have been no signs of him since. The pen biologists have been evaluating the fences to determine possible repairs or additions that could be done to keep predators out more effectively. We have ordered materials to add an outward facing barb wire addition to the top of the hog wire, as well as more electric wire to beef up the electric fences.

Left Black #8, an adult buck in North, who has had a slight limp from a capture injury several years ago, appears to be missing. He was last seen with a large group along the midline on February 14th. His body condition was good at that time. The pen crew continues to look for him in North and South as well as looking through the camera cards in both pens. He also has not shown up on any of the cameras at the release sites nearby. Bucks are not generally radio collared in the pen due to issues with rutting so he can't be tracked.

Cabeza Pen

NORTH HALF		SOUTH HALF	
Adult Females	10	Adult Females	11
Yearling Females (b 2016)	3	Yearling Females (b 2016)	11
Adult Males	3	Adult Males	5
Yearling Males (b 2016)	4	Yearling Males (b 2016)	10
Fawns (b 2017)		Fawns (b 2017)	
TOTAL	20	TOTAL	37
Total Pen	57		

Kofa Pen

The pronghorn in Kofa pen are also doing well. The Kofa pen is also very green and the pronghorn have reduced their alfalfa consumption drastically. No newborn fawns have been observed yet.

Adult Females	9
Yearling Females (b 2016)	3
Adult Males	2
Yearling Males (b 2016)	1
Fawns (born 2017)	
TOTAL	15

Wild Pronghorn Cabeza/ORPI/BMGR Herd: Range conditions are excellent in this area. We heard a mortality signal on the last telemetry flight on a wild collared doe; subsequent investigation on the ground was unable to hear her signal in the area. It will be checked out again on the next flight.

Wild Pronghorn Kofa Herd: There have been 7 mortalities (all bucks) in the Kofa/YPG herd. Two were from this year's release, 2 from last year, and 3 from the year before. We found some remains and evidence that two were likely from coyote predation. Three of the collars malfunctioned and did not go on mortality signal. Consequently we did not find them for several months after they died; there was nothing left to determine any cause of mortality. We found nothing to indicate a cause of death for the other two. We were unable to fly as frequently as planned due to an aircraft shortage in January. We intend to fly weekly until we gather enough evidence that mortality has stopped.

A large group of newly released pronghorn (10) along with an older release and 2 unmarked pronghorn have moved west and were very near Highway 95. One newly released buck has moved towards Neversweat Tank by himself. The rest are in the general vicinity of the pen, along with several other pronghorn. Several of the older released animals are also still using the southern King Valley on YPG and the Clancy Tank area. We also had one collar on a buck malfunction and drop off early. Range conditions on Kofa and YPG are excellent.

Wild Pronghorn BMGR-East Herd: Range conditions on BMGR-East are excellent. There was 0.84 inches of rain recorded at the release site. There was one mortality (female) of the newly released pronghorn. She appears to have been killed by coyotes. Most of the rest of the newly released animals have joined with other groups of pronghorn.

Water Projects: Morgart Tank northeast of the pen in Childs Valley is returning to its original name of Knucklehead Tank. A new John Morgart tank will be built in the area of East Release. Knucklehead Tank received 1.3 inches of rain and is still 100% full. Five unmarked and one marked pronghorn have been recorded on the camera there. Eleven unmarked and 6 marked pronghorn visited East Release site in February.

Forage Enhancements: No irrigation was needed at any forage enhancements. Charlie Bell received 1.6 inches of rain and is very green. Five unmarked pronghorn visited the site, but did not consume much if any hay.

Other Projects: n/a

SURVEY SAYS...IMPROVING POPULATION NUMBERS! BY GLEN DICKENS, AAF VP AND PROJECTS/GRANTS MANAGER

This past August, during their normally scheduled aerial pronghorn surveys in game management units 30A (San Bernardino Valley) and units 31/32 (Bonita/Wilcox Plains), District Wildlife Managers of the Arizona Game and

Fish Department (AZGFD) recorded an upswing in total numbers. In unit 30A the number totaled 197, the highest since 2004. This valley has received spring coyote control from 2014-2016 in addition to upgrading

water sources and tanks as well as multiple miles of fence replacement with pronghorn friendly design.

In game management units 31/32, all areas, some 120 pronghorn were observed, again the highest number since 2004. Then to get an even more accurate total population number, they flew a 2-day winter survey of the central and southern portion of the units and observed 193 pronghorn. That number combined with the known 36 pronghorn on the Allen Flat area bring the unit's total numbers to a minimum population of 229.







Article photos, courtesy of John Bacorn, AZGFD

These units received coyote control for one year in 2016, 15,000+ acres of grassland restoration, multiple water improvements and 15+ miles of fence replacements/modifications.

As previously detailed in the 3rd quarter of the Pronghorn, the joint AGFD/AAF Sonoita Plains July 2016 saturation survey in game management units 34A/B and 35A/B netted 318 pronghorn. That number added to the known 44 pronghorn in the San Rafael Valley gives those units a total number of 362. These units received focused coyote control from 2012-15 with 52 miles of fence modifications, multiple water improvements and 14,000+ acres of grassland restoration, in addition to 46 transplanted pronghorn from NM and AZ.

So, going into the spring 2017 fawning season (April to June), our southeastern Arizona project area holds a minimum population of 788 pronghorn. Still far from the zones' capacity but a vast improvement from the estimated and survey number of 250 in 2011. We all need to keep doing our rain dance as winter soil moisture strongly affect both the pronghorn fawn birthweights and the mother doe ability to provide the most nutritious milk for her newborns.

As of this writing in late February, all 3 herd zones have received normal or above normal winter precipitation. We have reason for optimism on what the 2017 population surveys may reveal.

SOUTHEASTERN ÄRIZONA PRONGHORN GRASSLANDS 2016 ÄNNUAL REPORT

By Glen Dickens, AAF Vice President and Projects/ Grants Manager

We completed our 5th year of a 7-year National Fish and Wildlife Foundation Grant this past December of 2016. What follows is some communication with the AAF Board and our partners and excerpts of the report results we thought you might find of interest. You will note we are well on our way to 100% completion of the grant objectives first approved for funding by the National Fish and Wildlife Foundation beginning in January 2012.

To the AAF Board/AZ Game and Fish Department and the Arizona Deer Association and Mule Deer Foundation:

You have done an excellent job with all the hours/funds/volunteer efforts these past five years. As grant administrator, that cooperation and "can do" spirit gives me the energy to keep moving our efforts/results forward. Thanks go out to the Arizona Deer Association and Mule Deer Foundations for their continued Habitat Partnership matching funds support. Special thanks go out to Caroline Patrick who "retired" as our 1st GIS Manager effective December of '16. Welcome is due to Rana Tucker, our project's new GIS Manager, who has hit the ground running since December.

It goes without saying we would be nowhere as effective as we have been without the hours, landowner contacts, project coordination and sheer force of energy commanded by our Field Projects Manager, John Millican! The professionalism and multiple hours put in by the Region's Arizona Game and Fish personnel is also deeply appreciated.

Thanks to all of you!

Summary of Accomplishments:

Our two-grant funded half-time contract personnel continued their hard work: John Millican with 34 years' pronghorn experience in SE AZ as our on- the- ground "Field Manager" and Caroline Patrick with 23 years GIS experience as our GIS Specialist.

The AAF conducted two volunteer fence removal/modification projects: one on Hwy 82 in conjunction with the Arizona Department of Transportation on the central portion of the Sonoita Plains 3.2 miles, and one south of the High Creek county roadway near Bonita, Arizona on 3.5 miles.

We conducted multiple and extensive landowner and agency contacts/education and project definition through our Field Manager and Grant Managers efforts.

We continued to build our extensive geo-data base with key layers in pronghorn occupied habitats in SE AZ and as of 2015 have completed 100% of the necessary work for the Las Cienegas grasslands and Sonoita Plains complex. We have continued to make second year progress on base mapping of the Bonita/Allen Flat/San Bernardino herd zones.

Coyote control was utilized for the first year in the Allen Flat and Bonita areas northwest of Wilcox. For the fourth and final year in a row we conducted a fawn "saturation survey" on the greater Sonoita Plains again with outstanding Pronghorn fawn survival increasing the herds population to a minimum of 318 animals. An additional 1600 acres of grassland habitat were restored in key Pronghorn herd zones in the Bonita Grasslands.

Annualized outcomes:

- 1. Continued GIS base map development of SE AZ pronghorn region. Researched and compiled data for 3 new separate herd regions, including Allen Flat, Bonita and San Bernardino Valley. Collaborated with AGFD District Wildlife Managers in the Bonita, Allen Flat areas to compile datasets of grassland/fencing and water modifications.
- 2. Our Sonoita Plains July 8, 2016 Saturation Survey resulted in 83 additional pronghorn fawns observed. Game Management (GM) unit's 34A/B totaled 119 observed (48 in 2011) and GM units' 35A/B 199 observed (33 in 2011). Based on this survey of known animals and estimating that a minimum of 10% of the herd was missed we have now accomplished the grants objectives of increasing both sub-populations to a minimum of 125 animals. In total, we counted 318 pronghorn up from just 81 in 2011 or a 390% increase
- 3. Both the Allen Flat and Bonita herds received very targeted coyote control on known fawning grounds for the first year, fawning success results to be measured in the 2017 survey period. The San Bernardino herd area also received aerial gunning for coyotes in April 16 for the third and final year and fawn survival was 32% in the aerial August surveys. A record number of pronghorn since 2004 were observed at 197 animals.
- 4. Number of Pronghorn subpopulations that received habitat project work included the Bonita herd. NFWF-AGFD-HPC funds were used to treat 1,600 acres in the East McQuiggan Pasture Bonita Phase 5 in 2016. The grant *total grassland restored* acres after 5 years at the end of 2016 are now 4,719 towards the grants' objective of 5,000 acres.
- 5. Number of miles of fence modified by two AAF Field projects was 3.2 miles in the Highway 82 right-of-way road in the central portion of the Sonoita Plains. As of the end of 2016 we have now removed or modified to Pronghorn standards 51.8 miles of fences across the entire Sonoita Plains. We also modified 3.5 miles of fence on the south of the High Creek County road in the northwest section of the Bonita grasslands area.
- 6. Number of acres of Pronghorn corridor connectivity was improved by 4,800 acres in the northwest section of the Bonita grasslands area south of the High Creek County Road. Thus our 2016 end of year total of 89,701 acres represents 90% of our grants original target of 100,000 acres of improved habitat connectivity.

In Summary:

Overall, we are quite pleased with this project's progress on all metric levels at the close of our fifth year. We are well on our way to meeting our overall project goal of 5,000 acres of grassland restoration and meet our 100,000 acres of improved connectivity on Pronghorn occupied habitat. We completed the second of three planned Sonoita Plains highway right-of-way projects in cooperation with the Arizona Department of Transportation modifying the fences in five locations on Highway 82 east of Sonoita. The net population of the Elgin/Sonoita and Las Cienegas Grasslands pronghorn herd is now at a minimum of 318 animals up from 81 in 2011.

(continued on page 14)

Our hard/in-kind matches are continuing to exceed our grant expenditures and commitments from funding partners and volunteers and we expect we will continue that trend.

We are planning on asking for a project extension through the end of 2018 to continue to make steady progress and to allow the time to search for an additional \$200K from other grant sources to carry us through the end of 2020.

HUNTING SUCCESS



AAF Member Steve Benoit shares a photo commemorating his 2016 rifle hunt in Unit 21.

Congratulations Steve!

(President's Message, continued from Page 3)

With some 20,000 square mile of antelope habitat left in the state from the original 40,000 or so square miles and with an antelope population that is probably in the 12,000-17,000 range (*depending on which biologist you speak with*), we certainly have areas that could carry substantially more antelope.

We all know that just doing a transplant does not necessarily equate to more animals in an area, as the fence modifications, range improvements – fire, water, brush & invasive weed control are all major factors in the success of a transplant, BUT the Transplant can be the seed to start and invigorate the whole process! Unit 19A may have been and may still be the finest antelope habitat in the state. There isn't anywhere else in the state that approaches the antelope densities we have in 19A, and we need to make an effort to try and do everything we can-- we may not succeed, but the effort must be made!

On the good news front, see Glen's article titled Survey Says! which gives the results of an aerial survey of the pronghorn population done by Arizona Game and Fish District Wildlife Managers. You will see the numbers and what was done to improve the habitat. Your effort in this endeavor shows up in these numbers as we could not make this kind of progress without the support of each one of you.

I mentioned all the above to once again bug folks about Membership & Participation! The few folks we have on the Board of Directors aren't going to get this done without direct involvement from members and interested individuals, so Please Join, Contribute and Participate!

If anyone has any thoughts or comments regarding this issue of the Pronghorn, please write or email us at info@azantelope.org.

Sincerely,

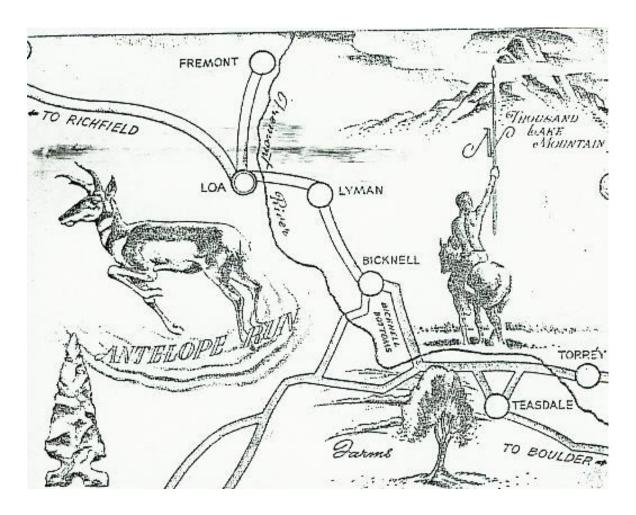
Brian R. George
President

"LIBERTAS AD VAGOR"....
FREEDOM TO ROAM



NEWS, VIEWS, AND THINGS TO USE

If you haven't checked out our website lately— www.azantelope.org— we assure you it has many things *pronghorn*! For example, you can see the current raffle and purchase a ticket online; buy a luggage tag or read up on pronghorn; review our goals and event calendar, plus we have FACTS!! For example, "The Ancient Antelope Run" map below is by John Nansen. The map and story by Charles Kelly online is reprinted from the March 1943 edition of Desert Magazine. If you wonder who Old Tahgee is, or what happened after the brutal winter of 1833, or how "primitive hunters learned to outwit America's fleetest game," you'll find it here along with historic news of the Sonoran pronghorn from AZGFD, and more!



IF YOU HAVEN'T ALREADY DONE SO, REMEMBER YOU
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WWW.AZANTELOPE.ORG THANKS FOR YOUR SUPPORT!

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All mail entries must be received by July 7, 2017.
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AZBGSR "Webcast" Drawing Date: July 20th, 2017



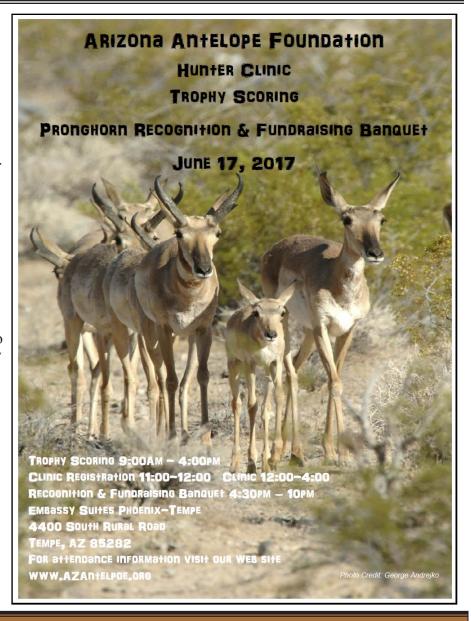
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\$17 of each \$25 plate fee goes to support Arizona's wildlife. The Arizona Sportsmen for Wildlife Conservation (AZSFWC) reviews and approves grants from these special revenues.

This gives everyone the opportunity to support "Wild Arizona" and the many worthy organizations that strive to be a humane partner in the challenges faced by wildlife in the modern day.

Did you know that in 2016, the AZSFWC approved \$10,400 for AAF's Back Pasture Dirt Tank Cleanout Habitat Project?

Investing in this plate is an easy way to support the wildlife you love!



GREETINGS!



I am pleased to take the torch from Tracy Unmacht, the fulltime editor of the *Pronghorn* since 2006. You can tell it has been a labor of love, and I am excited to be involved.

There is that word—involved—which you are: your financial support of the AAF; your sweat equity in improving the habitat; and as Tracy mentioned, you "provided content, beautiful photographs, and encouragement."

Your involvement through all these avenues is the backbone of the operation, be you private citizen or government official. I see the *Pronghorn* as the spirit—there to chronicle the successes, the hard work, and to celebrate the improvement of antelope habitat.— I encourage you to reach for the camera and pen and let us know what you find out there.. Your story inspires others to get involved.

Take care, Lenée Landis, *Pronghorn* Editor