



#### Newsletter—Fall 2016

# President's Message

We are less than a week from the Presidential election and by the time you read this, we will have a new President. All of this has made me think about how important it is to be involved in the political process and how important it is to give legislators input on the issues that are important to you as a natural resource professional. The chapter often sends requests asking you to write to your legislature on a particular issue. We have now made it much easier for you to find their contact information and to find information about pending bills.

Contact information is available on our website at <a href="http://wildlife.org/pennsylvania-chapter/policy/take-action/">http://wildlife.org/pennsylvania-chapter/policy/take-action/</a>. In addition to providing contact information for your legislators, this site also has a link where you can search for bills you want to follow and receive notifications when a bill's status changes and or an amendment has been added. I recommend that you check out this link and sign up for alerts on the bills you are interested in.

PA TWS has a lot going on. We had an excellent Fall Field Day hosted by Past President, Emily Thomas, and the Penn State DuBois student chapter. If you missed it, you can read all about it in this newsletter. Looking forward, we have an exciting Spring Annual Meeting planned. Details are also included in the newsletter. This will be a great opportunity for learning, networking and socializing.

#### What's Inside

Treasury Report	2
Board Member Nominations	3
Annual Meeting Announcement	4
Fall Field Day Summary	5
HCP Plan for Bats	8
Contributed Article: 2016 TWS National Meeting	9
Grants & Awards	12
Student Chapter News	14
Contributed Article: The World of the Bird	15

I hope everyone has a great Thanksgiving and takes time to appreciate these beautiful fall days and the wildlife pursuits you enjoy.

Margaret Brittingham President, PA TWS

# Treasurer's Report October 31, 2016

As of 31October 2016 we have a balance of \$14,256.18<sup>1,5</sup> in our operating fund, \$4,249.34 in our PayPal account, and \$16,369.49 in our Vanguard portfolio. Our assets total \$34.875.01<sup>1,5</sup>

Balances as of 31October, 2016:

0.00/	#50.64 TEST #550.5 - 12-90.
0.0%	14,256.18
	4,249.34
4.65% - 4.75%	3,169.35
Variable	13,200.14
	4.65% - 4.75%

Total: 34,875.01<sup>1,5</sup>

Income since 4/15/2016		Expenses since 4/15/2016		
Memberships	194.00	USPS <sup>3</sup>	21.21	
Spring Conference <sup>4</sup>	2,473.00	Conference calls	65.68	
Fall gathering <sup>5</sup>	2,161.40	Spring conference <sup>4</sup>	12,325.49	
		Fall gathering <sup>5</sup>	1,351.15	
		National Conference Donation	500.00	
	\$4,828.40		\$14,263.53	

<sup>1</sup>Not considered Income or Expense: Northeast Deer Technical Committee meeting funds settled \$813.99; managing 2017 Eastern Black Bear Workshop funds \$6,393.29

<sup>2</sup>Prime Money Mkt Account closed, money transferred into Federal Money Market Account <sup>3</sup>USPS- stamps \$18.80, mailing forms to membership coordinator \$2.41

Fall Gathering: Income includes registrations, memberships, merchandise sales; Expenses include \$975 to Keystone Elk Country Alliance, \$325.15 reimbursed to E. Thomas for food and supplies, and \$51 in refunds for overpayments (checks totaling \$376.15 have yet to be cashed, and are not reflected in Operating fund balance<sup>5</sup>)

Additional Note: A separate paypal account was established for handling the online Eastern Black Bear Workshop registrations - the balance is currently \$0

Virginia Tilden, Treasurer

<sup>&</sup>lt;sup>4</sup>Spring Conference: Income includes registrations, merchandise, memberships, silent auction, and raffle; Expenses include \$10,426.34 for the conference facility, \$993.09 to PSU for rental vans and printing services, \$415 in refunds for overpayments, and 441.06 for the Kirkland Award (Plaque and original artwork and shipping costs for artwork)

# PA Chapter of The Wildlife Society seeks nominations for officers and directors

The board has appointed a nominating committee comprised of Tony Roland, Jenny Martin and Rob Blye. The nominating committee is seeking candidates for several officers and board members at large:

- Northeast Section Representative oneyear term
- Vice President who will serve a three-year progressive term of Vice President, President, Past President
- Secretary, Treasurer, Newsletter Editor, Website Manager, and two Board Members at Large; all of these are two-year terms.

Serving your profession as an officer or member of the board is a great way to:

- get to know other wildlife biologists in Pennsylvania,
- contribute to state wildlife policy,
- improve communications among professionals and students in Pennsylvania and
- have some fun.

Meetings are held via conference call except for a face to face meeting as part of our annual conference each spring. More information as to the duties of each office can be found on our website. We seek new faces on the board; please consider nominating a candidate for one or more of these positions. You may self-nominate.

Please send nominations for these offices to Rob Blye at rwblye@gmail.com. Nominations should include the name of the PA TWS member you are nominating and a brief statement as to why the person is qualified to serve and any special qualifications or interests of the nominee.

More information on Board member terms, responsibilities, contact info, and PA TWS Bylaws at our website: <a href="http://www.wildlife.org/pennsylvania-chapter/">http://www.wildlife.org/pennsylvania-chapter/</a>

Rob Blye, At-Large Member

# We are on Facebook—LIKE US!

The Pennsylvania Chapter of The Wildlife Society now has a Facebook page. Connect with us. Share with us. To find us on Facebook search:

"PA Chapter -The Wildlife Society"





This Newsletter is produced on a roughly quarterly basis for members of the Pennsylvania Chapter of The Wildlife Society.

#### **Editor: Lillie Langlois**

Send items of interest, comments, announcements, questions, or corrections to Lillie at: <a href="mailto:lal276@psu.edu">lal276@psu.edu</a>.

Subject— "newsletter"

# PA TWS Annual Meeting Save the Date March 31 - April 1 2017

#### Hello Members

This is an early announcement for the 2017 Annual PATWS meeting. We have an excellent meeting planned that you will not want to miss. This year, for



a change of pace, we are having the meeting at beautiful Lake Raystown Conference facilities on March 31-April 1. Check out the site at http://rvcoutdoors.com/lake-raystown-resort/. The theme for the conference is "Wildlife Management in the 21st Century – Dealing with complex conservation challenges". Our plenary session as well as our field trips and banquet speaker will explore this topic.

The meeting will start on Friday March 31 with the option of an all day workshop on trapping or a local field trip. The workshop titled "Trapping Matters" is a national professional development workshop focused on the sometimes controversial topic of trapping. It is designed to help participants understand the how and why of trapping and to be able to communicate with the public about the use of regulated trapping in wildlife management. Participants will leave with scientifically sound be forthcoming. information and be trained in skills that will make them effective communicators on this subject. The field trip will be led by local natural resource professionals Glenn Wener and Tara Whitsel and will highlight some of the complex conservation challenges they are dealing with at and around Raystown Lake. Participants will learn about and see a variety of management activities including a gas pipeline being managed as pollinator habitat, early successional habitat management, and

methods to deal with shoreline erosion and aquatic and terrestrial invasives. The day will end with the all popular student and professional mixer at the Raystown conference center.

Saturday morning will start with the plenary session focused on our theme of dealing with complex conservation challenges. We have 5 speakers lined up who will cover topics ranging from strategies and approaches to dealing with complex problems to case studies on deer, bats and golden-winged warblers. Saturday afternoon will include multiple sessions for contributed papers, a poster session and reception. The meeting will conclude with a banquet with Dr. Tom Serfass, Frostburg State University, discussing his long term national and international work with mesocarnivores. Mark your calendars for March 31 – April 1. Information on registration will be forthcoming.

Looking forward to seeing many of you there

Margaret Brittingham President, PA TWS

Note: Early registration is recommended due to limited lodging.

#### PA TWS 2016 Fall Field Day September 23-24, 2016

The Pennsylvania Chapter of The Wildlife Society (PA TWS) held its inaugural Fall Field Day over the weekend of September 23-24, 2016.

The event started on Friday night at the Elk Country Visitor Center in Benezette, PA. Students and wildlife professionals alike met at the Visitor Center annex building to view elk, eat excellent hors d'oeuvres, sip a glass of local wine and socialize. The evening was highlighted by the presentation, by Past President Emily Hope Thomas, of a beautiful, original painting of an osprey with nest and young to our Gordon Kirkland Award winner. Dr. Hoagy Schaadt. The painting was a framed multi-media creation by wildlife artist David Hughes of Hawk Mountain, PA (Top Right).

After the presentation, a demonstration of bat mist-netting and acoustic detection techniques were presented by Normandeau Associates, Inc. USFWS Qualified Bat Surveyor Jason Collins. Echo location (acoustic) signals were detected using Normandeau's proprietary acoustic equipment, and during two classroom workshops on Saturday included a review and speciation of the signatures collected on Friday night.

Elk were both heard and seen well into the evening after which participants drove to Dubois to spend the night.

More than 90 attendees and presenters were up bright and early to prepare for or attend the nine workshops offered in four sessions on the campus of Penn State Dubois.





#### PA TWS 2016 Fall Field Day, cont....

#### Workshops presented were:

- Pennsylvania Elk: Status and Management Jeremy Banfield
- Mist Netting and Bird Banding: Handling Nets and Birds Emily Thomas
- Speed Training in Wetlands Delineation Keith Maurice, Jane Rowan, Rob Blye
- Plant Identification for Wildlife Biologists Rob Blye, Keith Maurice
- Non-lethal Wildlife Damage Management Methods Tony Roland
- New Geospatial and Sensor Technologies for Quantifying Animal Behavior Andrew McGann
- Raising and Tagging Monarch Butterflies: Educational Opportunities and Disease Challenges – Keely Roen
- The Secret Behind the Rattle: Timber Rattlesnakes Stacy Foster
- An Introduction to Bat Sampling Technology Jason Collins

The workshops were presented by professional wildlife biologists from federal and state agencies, academic institutions and the private consultants. Attendees included members of student TWS chapters from Keystone College, Millersville University, California University of Pennsylvania, Penn State University Dubois, Juniata College, Delaware Valley College, advisors and professors from these schools and professionals from state and federal agencies and consultants. In attendance was Penn State, Dr. Margaret Brittingham, this year's PATWS President.

Rob Blye assisted by Normandeau's botanist Keith Maurice presented two woody plant identification workshops with an emphasis on plants important to wildlife. Keith, with assistance from VP Jane Rowan and Rob Blye, also conducted a wetland delineation workshop, including field and classroom components. The wetland training captured 30 years of regulatory history and a complicated, three step process succinctly but in fully sufficient detail, with graphical illustrations in the classroom and hands-on observation in the field.



Wetlands Delineation workshop

#### PA TWS 2016 Fall Field Day, cont...

The highlights of the day were the graycheeked thrush, northern waterthrush, Lincoln's sparrow and blackpoll warblers captured and banded in Emily Hope Thomas workshops. Also a plethora of American goldfinches, song sparrows, northern cardinals and gray catbirds were banded and released. Each attendee got to both help erect a mist net and handle birds as they were banded.

Early morning bird banders and early afternoon wetland delineators could see and hear the adjacent wildlife damage workshop conducted by Tony Roland as decoys were evident and gas cannons were exploding regularly. The afternoon bird banders got to hear the piercing hiss of timber rattlesnakes as workshop attendees learned about the life history, anatomy and biology of these fascinating snakes with real life examples presented by Stacy Foster.

The afternoon monarch banding project workshop conducted by Penn State Dubois Instructor Keely Roen is part of the Monarch Watch network. Workshop participants were given hands on opportunities to capture and tag monarch butterflies that would soon migrate south to Central America to begin their complex and generational life history cycle.

Andrew McGann's workshop covered new GPS+Accelerometer tracking technologies available for wildlife telemetry projects. New technologies from the realms of smartphones, wearable fitness trackers, and quadcopter "drones" are now being incorporated into wildlife tracking devices, allowing researchers to address new and longstanding questions about animal movement and behavior. The wildlife telemetry devices from Cellular Tracking Technologies (CTT) employ cellular modems to connect the tracking devices directly to the Internet, allowing for the relatively inexpensive automated transfers of large amounts of telemetry data and options for remote reprogram





Bat Acoustics workshop (Top); Tagging Monarch Butterflies workshop (Bottom)

ming. The workshop also discussed the critical intersection of technology and ecology, in order to program and optimize sustainable data collection and transmission duty cycles to meet each project's specific goals.

Lunch provided a great opportunity to meet new people, learn what they did and where and exchange ideas on the newest techniques in wildlife research and management.

> Rob Blye, At-Large Member

# Pennsylvania State Game Lands, State Forest, and State Parks Habitat Conservation Plan (HCP) for Bats

Stakeholder meeting June 9, 2016 – Update

The meeting was led by Paola Bernazzani, program director (ICF), Shawna Barry, Project Manager (ICF), and Dale Sparks Technical Lead (ESI). Present at the meeting were representatives from the Pennsylvania Game Commission (PGC), Department of Conservation and Natural Resources (DCNR), as well as the stakeholder group which includes eight forestry professional organizations, two prescribed fire professional organizations, and six wildlife professional organizations including the Pennsylvania Chapter of The Wildlife Society (PATWS).

The meeting was convened to update the stakeholders on the progress of the HCP and to give an overview of the changes to the HCP since the addition of the northern long-eared bat (NLEB) into the plan. The NLEB was listed as threatened earlier this year. The development of the HCP was suspended while the listing of the NLEB was being considered. Despite the NLEB being listed as threatened with a 4(d) provision under the Endangered Species Act, the PGC and DCNR are developing the HCP with more stringent guidelines than those required under the 4(d) rule.

These proposed conservation measures for the NLEB include:

Restriction of all covered activities within 0.25 miles of known hibernacula.

Gating of all hibernacula on state lands.

Establishment of up to 100 protected roost trees with a buffer of 850ft against all covered activities.

Jason Collins QBS with Normandeau Associates, Inc. and a member representing the PATWS recommended that the phrasing be changed so that gates are only installed at problem sites to avoid potential issues associated with gates (chiefly hibernaculum abandonment). We also recommended the restriction of the instillation of "culvert type" gates which have been shown to reduce bat activity, in favor of the more traditional Cave Conservation Association "air flow" gate design.

There are many unanswered questions about the implementation of the conservation measures, specifically in regards to the roost tree areas. Questions on how the sites were to be selected, the duration of individual sites, and the arbitrary nature of designating 100 locations were discussed.

The project developer expects to provide the stakeholders a draft of the HCP in July 2016, and the next stakeholder meeting will be held after the draft is sent to the stakeholders, but prior to going out for public comment.

Jane Rowan, Vice President

# 2016 TWS National Conference—Raleigh, NC

On October 16, 2016, my students, Alex Sandercock and Kayli Thomas, and I left Millersville Pennsylvania and arrived in Raleigh, NC to attend the 2016 Wildlife Society Meeting, thanks to support from the PATWS Professional Development Grant. After checking into our hotel rooms we toured downtown Raleigh, making sure we identified the Convention Center (Bottom Left). We then settled back in our rooms, downloaded the TWS2016 APP onto our phones and proceeded to plan our agendas for the next 2 days.

We woke up the next morning and headed straight to the Convention Center to pick up our registration packets and gain access to the meeting (Bottom Right).

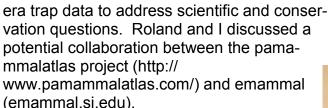






# 2016 TWS National Conference— Raleigh, NC, cont....

We first entered the Exhibitors Hall where I met with Roland Kays, Head of the Biodiversity Research Lab at the North Carolina Museum of Natural History (Top Right). Roland is involved with the online emammal Citizen Science project used to collect, store and share camera trap data to address scientific and conservation questions. Roland and I discussed a potential collaboration between the pamammalatlas project (http:// www.pamammalatlas.com/) and emammal (emammal.si.edu). Roland is involved with the online emammal Citizen Science project used to collect, store and share cam-



Alex, Kayli and I then separated and spent the rest of the day attending multiple talks, including discussions on the impacts of climate change on wildlife management, use of remote cameras in wildlife research, expanding the representation of underrepresented groups in the wildlife field and invasive species management. Alex and Kayli then visited the Raleigh natural history museum, whereas I went to the hotel room to get caught up with work. Yes, I am boring. During the evening we attended the Caesar Kleberg Wildlife Research Institute Reception where I introduced Alex and Kayli to my Master's (Dr. Fidel Hernandez) and Doctoral advisor (Dr. Michael Tewes) (Bottom Right), as well as my old Professors at Texas A&M University-Kingsville.





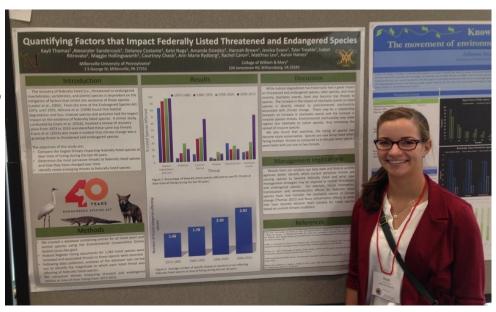
## 2016 TWS National Conference— Raleigh, NC, cont....

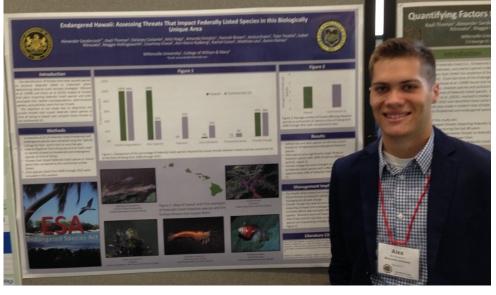
I woke up the next morning and attended the TWS College and University Working Group meeting while Alex and Kayli set up their research posters. I also attended the Symposium on Conservation Planning and Public Engagement where I got to hear a talk from Shane Mahoney. That was a great experience, and I diligently took notes on how to become a great orator. From late morning into the afternoon I attended the Conservation Affairs Network meeting and represented the PA Chapter of the Wildlife Society. After this meeting, I served as a judged for student research posters and I was able to check in on Alex and Kayli to see how their poster presentations were coming.

Alex and Kayli presented their research on quantifying threats to threatened and endangered species.

This project is a joint effort with the College of William & Mary. Their research efforts made quite an impression, as Kayli received the Best Undergraduate Poster Award at the meeting.

I want to thank the PA Chapter of the Wildlife Society for providing funding for this trip through the Professional Development Grant. Attending the 2016 Wildlife Society Meeting was a fun, educational and rewarding professional experience.





Best regards,

**Aaron Haines** 

Associate Professor of Conservation Biology PATWS 2016 Professional Development Grant Winner

#### CALL FOR NOMINATIONS AND APPLICATIONS FOR AWARDS AND GRANTS

### Professional Development Grant

The Pennsylvania State Chapter of The Wildlife Society will award one, \$1000 professional • development grant annually to a non-student member of PATWS to attend a conference or professional development program.

The Professional Development Grant is intended to provide an opportunity for wildlife professionals to continue their education throughout their career. Those applicants gaining credits to maintain their TWS wildlife biologist certification will be given preference. The grant can be used for registration, travel, lodging, food, supplies, or fees associated with attending a conference or training program.

#### Minimum Eligibility

All applicants must be a non-student member of PATWS and must have maintained that level of membership for at least the most recent two years. Those applicants gaining credits to maintain their TWS wildlife biologist certification will be given preference. An individual can receive this grant once per five years.

Recipients of the grant must attend the indicated conference or program within 18 months of receiving the grant or forfeit the grant money. Recipients must write a summary of their experience for an edition of the PATWS chapter newsletter.

# Applicants must submit the following materials:

- Resume or CV
- Essay: Explain your grant request. The name, date, and location of the conference or professional development program must be provided, and an agenda included if available. Please note if you will receive TWS certification continuing education credits for attending. Essay should be no more than 500 words.

Email all materials in one PDF by February 15, 2017 to: <a href="mailto:PAChapterTWS@gmail.com">PAChapterTWS@gmail.com</a>.

You must include "Professional Development Grant" in the subject line of the email.

All submissions must include a phone number (with area code) for the winner to be notified. Finalists may be interviewed by telephone. The recipient will be notified by March 1.

See our website for additional information: http://www.wildlife.org/pa/awards



# **Student Scholarship Opportunities**

## **Northeast Section of TWS Field Course Scholarship**

The Pennsylvania State Chapter of The Wildlife Society will award one, \$950 scholarship per calendar year to an undergraduate student to attend the Northeast Section of TWS Summer Field Course: Field Techniques and Current Topics in Wildlife Biology.

The course provides students with practical, hands-on training in the tools and techniques of field biology and allow them to apply those skills in a variety of exercises. Students will be instructed by practicing biologists from across the region.

#### Minimum eligibility:

To be eligible for this award you must be an **undergraduate** student *currently registered* at a Pennsylvania university or college, and must register to attend the current calendar year's Summer Field Course.

Applicants must submit resume, transcript, essay, and TWS information.

All application materials must be emailed by **February 15**, **2017**: PAChapterTWS@gmail.com.

### Full scholarship details:

http://wildlife.org/pennsylvania-chapter/awards-grants-scholarships/

# The Frank Felbaum Scholarship

The Pennsylvania Chapter of The Wildlife Society established the Frank Felbaum Scholarship more than a decade ago thanks to the generosity of Frank Felbaum, longtime director of Pennsylvania's Wild Resource Conservation Program and tireless conservationist. The scholarship is a one-time \$500.00 award intended to assist outstanding students who are pursuing a career in the wildlife field.

The scholarship is available to any undergraduate student currently enrolled in a wildlife ecology or related natural resources program at a Pennsylvania college or university, or a Pennsylvania resident currently enrolled in such a program at a college or university outside Pennsylvania. The recipient should have a cumulative Grade Point Average (GPA) of at least 3.2 and have demonstrated an interest and commitment to wildlife through volunteer and/or work experience and extracurricular activities, including membership in conservation/ecology clubs. The scholarship is awarded only once per recipient.

Applications must include the following items to be considered: Letter of Recommendation, transcript, and essay.

All application materials must be sent as a PDF **by February 15, 2017**: PAChapterTWS@gmail.com.

### **Student Chapter News**

<u>Editor's note</u>: The Student Chapter News section covers what's new with our six PA student chapters (California University of Pennsylvania, Clarion University, Delaware Valley College, Juniata College, Penn State University, and Penn State DuBois)

#### \*\*Juniata College\*\*

Our year kicked off with our annual campfire & mountain pie making event at out college farm. Over 35 people attended, and enjoyed a night of owl calling, mountain pies, s'mores, and sitting around the fire. Some of the students who attended have continued on to be very active members in club activities.

We have had two speakers so far this year. Justin Brown, Veterinarian for the PA Game Commission, came and gave a talk on mange in black bears. When early October rolled around, we had Mark Banker come and speak to our Chapter about Private Careers in Wildlife Consulting. Both were fantastic talks, and were enjoyed by all.

In addition to speakers, we've had some club adventures as well. A small group of members participated in a float trip with world renowned Otter Biologist, Tom Serfass to look for otter signs on the Juniata River. Due to the drought at the time, it turned into more of a kayak/canoe drag rather than a float trip, but we did find otter signs! Later on, a group went out to Hawk Mountain to watch the migration. Most recently, a group of nine students and our advisor, Dr. Chuck Yohn, attended the 2016 TWS Conference in Raleigh.

It's certainly been busy so far, but we're looking forward to what the rest of the year has to offer.



Sydney Spicer

#### The World of the Bird

By J.T. Fleegle Wildlife Biologist, Pennsylvania Game Commission

Follow us: @PA\_TWS



Many of us bird watch in our free time and some is an avid Twitter user and had been tweeting of us are lucky enough to get paid to do it. Our feathered friends are fun, fascinating, and fabulous in so many ways.

I recently stumbled across a new bird. You won't find this one in your backyard or the back woods. But you can find it anywhere and everywhere. I am speaking of Twitter. If you are already a member of the Twitter flock, you can stop reading now. I'm not going to tell you anything you don't already know except to follow @PA\_TWS.

If you have not joined this large and gregarious flock, you don't know what you are missing. Oh come on, you say. What is so wonderful about Twitter? And why do I need another social media account?

Trust me. I understand. I was among the ranks of Twitter-Smitter. I was a devoted Facebook user. I understood the platform and engaged regularly. Why did I need another way to interact with people via computer? In only 140 characters no less!

Boy, was I wrong! Three months ago I decided to open a Twitter account to support and promote the Deer Forest Blog. The blog had been active for 2 years and we had a healthy base following but I wanted to expand our reach. A graduate student associated with the research

some stuff related to the project so the door was there. I just needed to walk through.

Being a biologist, I did some research. How did Twitter work and how would it further my cause? There are many helpful articles out there that explain the premise of enhancing your business via Twitter. Ok, this looks like a good tool.

What I didn't realize is how much I would love Twitter! Why do I love Twitter, you ask? Twitter is anything you want it to be. Unlike Facebook, everything is public. There are no "friend requests" needed to see someone's Twitter account. You can follow anyone you like. You can build a community of people that share you likes and interests just by tapping "follow."

Need a herp expert – follow @AlongsideWild

Want to know what's going on at the Smithsonian Natural History Museum - follow @NMNH

Bugs - @bug\_gwen

Trout - @TheTroutlook PA Deer Research - @WTDresearch (shameless plug)

Cool research and scientists abound in EVERY discipline and they are all just a "follow" away. The latest info on publications and research appear in your Twitter feed. I can't tell you how

### The World of the Bird, cont...

many times in the last 3 months I've been informed of some new and applicable paper, story, or event through my Twitter feed.

Interested in current events like the Dakota Access pipeline or the election? Just search the #NoDAPL or #Elections2016. Couldn't make it to the TWS National Conference – attendee's live tweeted talks and posters throughout using #TWS2016. You can watch events as they unfold in real time.

Twitter was founded in 2006 and has more than 310 million monthly access users. If it's news or happening now, Twitter users know about it.

If you're not interested in garnering a following for yourself, then a Twitter account takes zero work on your part. I am a complete convert. I now understand why Twitter is so great.

Everybody needs a Twitter account. Everybody!

# Pennsylvania TWS Objectives

- To develop and promote sound stewardship of wildlife resources and of the environments upon which wildlife and humans depend.
- To undertake an active role in preventing human-induced environmental degradation.
- 3. To increase awareness and appreciation of wildlife values.
- 4. To seek the highest standards in all activities of the wildlife profession.
- 5. To serve the specialized needs of Pennsylvania in wildlife resource management.

#### –Who's Who on the Board—

2016 Executive Board Members
Pennsylvania Chapter of The Wildlife Society



President.....Margaret Brittingham

Vice-President.......Jane O. Rowan Past President..... Emily Thomas Secretary.....Samara Trusso

Treasurer.....Virginia Tilden

Northeast Section

Representative.....Emily Boyd

Website Manager.....Jennifer Dzimiela Martin

Newsletter Editor.....Lillie Langlois

Membership

Coordinator.....Wendy Vreeland

At-Large Members.... Robert W. Blye

Tony Roland Melanie Weaver

Thomas Keller



# THE WILDLIFE SOCIETY PENNSYLVANIA CHAPTER

# 2016 Membership Application

Pennsylvan Check One:				Annual Dues: Student Dues: Life Membership:	\$10.00 \$6.00 \$200.00	
The following	information		new, updated, unchanged	or corrected		
Name:			☐ Miss			
Address:	7				<b></b>	
Telephone:	-	Home:	<u></u>			
	Office: Fax: E-mail:			Ext		

2014-12-08

Newsletter - Fall 2016

Mail to: Virginia Tilden, Treasurer 7755 Wertzville Road Carlisle, PA 17013