



BLUEBIRD

JOURNAL OF THE NORTH AMERICAN BLUEBIRD SOCIETY



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Mick Thompson / flickr.com

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Cover photo: This Eastern Bluebird fledgling was photographed in Taneytown, Carroll County, Maryland (bigstockphoto.com).

Table of Contents photo: A Red-breasted Sapsucker pair excavated this nest cavity for their own use, but it will be available in future years for bluebirds and other cavity nesters. Mick Thompson took this picture at Juanita Bay Park, Kirkland, Washington (<https://flickr.com/photos/mickthompson/>).



BLUEBIRD

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Letters to the editor and articles in this publication express the opinions and/or positions of the authors. Submissions may be edited for length and content. Published articles do not necessarily represent the opinions and positions of the Officers, Directors, or other representatives of NABS.

General questions may be addressed to info@nabluebirdsociety.org or call 513-266-4381 between noon and 8 p.m. EST. Please leave a message if no answer, or send a text message any time. Visit us on Facebook at <https://www.facebook.com/NorthAmericanBluebirdSociety/>

The North American Bluebird Society, Inc. is a non-profit education, conservation and research organization that promotes the recovery of bluebirds and other native cavity-nesting bird species in North America.

www.nabluebirdsociety.org

Who Are We?

The following paragraphs formerly appeared in each issue of this journal, back when it was called Sialia, to provide some guiding principals for NABS and its members.



Sialia means bluebirds. Hence the title of this journal. Technically, *sialia* is the Latinized, neuter plural version of the Greek word *sialis*, a noun meaning a “kind of bird.” Since the Eastern Bluebird was the first bluebird classified by Carolus Linnaeus (1707–1778), he gave it the species name *sialis*, though he placed it in the genus *Motacilla*, which is now reserved for the wagtails. It was William Swainson (1789–1855) who, in 1827, decided that the bluebirds needed a genus of their own within the thrush family (Turdidae). He selected the generic name *Sialia*, which he simply adapted from the species name *sialis*, which Linnaeus had used. Therefore, the scientific name for the Eastern Bluebird is *Sialia sialis* (pronounced see-ahl’-ee-ah see’-ahl-iss). Similarly, the Western Bluebird and Mountain Bluebird, the two other species within the genus, were named *Sialia mexicana* and *Sialia currucoides* (coo-roo-coy-dees), respectively. Their species names are descriptive of their locations. All three bluebird species are native only to the North American continent, although each inhabits different regions generally separated by the Rocky Mountains and by altitudinal preferences.

While the adult birds all show differing plumages, the young of all three species look remarkably alike, prominently displaying spotted breasts and large white eye rings. This similarity in plumage was the principal reason the Society chose the juvenile bluebird for its logo. Since bluebirds almost always choose to raise their young in small enclosed cavities, a young bluebird sitting near a nesting box seemed to symbolize our mission. The hope of any species resides in its young. Because of bluebird nesting preferences, the survival of their young may depend on the nesting box, especially since natural cavities, for a variety of reasons, are disappearing rapidly. The theme of bluebird young nurtured in man-made structures will be a recurring one in our art and literature. We hope that this theme will remind all about the plight of the bluebird, and will stimulate action that will allow this beautiful creature to prosper.

From the President

Bernie Daniel

It is early May as I write this, and we have had spring weather similar to last year! It has been decidedly on the cool side with erratic rain and many more windy days than usual! Not ideal insect or bluebird weather. This year though the couple of thousands of gallons of rainwater that collects on our pool cover each winter convinced a pair of Mallards that we had a lake. What do you know—one morning I had a backyard full of two adult Mallards and 10 ducklings! After a couple of cool windy days with the hen trying to keep the chicks warm it looked to me like she was trying to find a way out of our fenced yard. So, I left one of the gates open and soon the hen was leading her charge away through the tree line. I hope that they make it.

I am not going to waste time talking about COVID-19 save to say that for the first time after 54 consecutive years the North American Breeding Bird Survey has been canceled. None of the nearly 4,000 survey routes will be counted this year. I usually start playing a flash drive of the bird calls of all species found in Ohio about now to get my ear tuned up—but not this year.

I will point out here that since this is the Summer issue, we have several official Society notices included. Not the most exciting reads but we must do the things our by-laws call for. So, we have the announcement of the annual board of directors' election with the list of candidates. We are pleased to have two individuals running to join our board for the first time. The first is Harold Sellers, who is the current President of Southern Interior Bluebird Trail Society in British Columbia. Also, on the ballot for the first time is Mike DeBruhl, the current President of the South Carolina Bluebird Society. Both men were appointed to the Board by the NABS President and thus as per the by-laws will serve until they can stand for election this summer. Likewise, we are grateful that four other Board members, Jim Burke (NC), Kathy Kremnitzer (MD), Del Straub (OR), and Sky Rector (GA) are up for re-election! I do hope our members will take the time to fill out and mail in your ballot which is included as an insert in this journal.

This issue of the journal also features an announcement of our Annual Meeting, which this year is on Tuesday, September 15, 2020. Detailed information for how to participate in the call is

outlined in that announcement. We would be pleased to have members join the call.

Finally, there is the announcement of the 2021 NABS grants program. More detailed information about filling out and submitting a grant application in the areas of research, conservation, or education can be found on the NABS website.

I hope some of you were able to attend the NABS 2020 Conference hosted by Bluebirds Across Nebraska (BAN), a long-time NABS Affiliate, in March. The sudden imposition of travel restrictions, flight cancellations, and personal disruptions made holding the conference a real challenge. A number of individuals who registered, including some of the speakers, were unable to attend. Some speakers were forced to cancel at the last minute! But the folks at BAN were the ultimate professionals and managed to create alternate speakers and programs as if by magic and the show went on in grand style! Special thanks to Sandy Seifert from BAN and to our second Vice President for Community Relations, Jim Burke, who spent many hours setting up the conference and ironing out all the details for the event.

Did everyone like the new Fact Sheet on Eastern Bluebird Nestling Growth Chart? We have not received any feedback about it so far. Those kinds of educational documents come about through the efforts of the NABS Board and our committees. We would like to do more things like that new Fact Sheet, and we could if we had more of our members deciding to join our committees and help shepherd worthy projects like that along. Remember *any NABS member* can join and participate in our committees. It has never made any sense to me that our committees are always staffed, almost entirely, with only our Board members! Folks I have to tell you that it is a fact that only 12–15 people cannot continue to run the entire NABS operation forever. I know that there must be many talented NABS members out there who could bring new ideas and skill sets to our committees. There must be many of you with ideas to contribute to our projects aimed at helping native cavity-nesting birds. Please let us hear from you—I know that many of you could contribute to the effort! FYI, committee work in NABS is almost entirely via email, so it is a flexible format that is relatively easy to work around your regular required daily/

weekly activities. I served on the NABS board and committees for years while I was working full time, so it is certainly doable.

The NABS hotline has been busy this year as usual. We provide several sources of support including the NABS cellphone which I “staff.” This phone daily gets calls and texts from individuals who need help with a nestbox. In addition, Christine Boran and Kathy Kremnitzer answer hundreds of questions each month on the NABS Facebook page. It seems to me these nestbox problems run in yearly cycles – ? Last year, the questions were often about infertile eggs. This year, many of the calls that I am getting deal with nest abandonment and the disappearance or predation of either the male or female bluebird. I’ve also received several calls about bluebirds that seem to be fledging early—at least the callers claim that they cannot fly. When one encounters this situation, it is a good idea to make an accurate assessment of the nestling’s age. That is where the new NABS Fact Sheet can be so useful. If it looks like the bird is 15–16 days old then it should be able to fly. If it cannot, it could be an indication that an injury or a congenital deformity of some kind has befallen this bird. But if the bird looks, by the Growth Chart, to be several days younger than the normal fledge age then perhaps placing it back in the nestbox might help?

I do like helping callers but I must admit that working the hotline is also a source of some frustration for me. I realize that I get more curmudgeonly every year, OK? Still. These hotline calls are almost *never* from NABS members—in fact, most of the time they are calls from individuals who think we are the “National Bluebird Society”! Likewise, with a few gratifying exceptions the callers seem to be individuals who are doing one or more of the important elements of bluebirding wrong. They have a box mounted on a house or a tree, there is no thought of predator guards, and many seem never to have heard about the concept of monitoring. In fact, often when you ask, “Well, what is going on in the box?” too many will reply, “Oh, I haven’t looked in the box.” There are other things. Just today a woman called and wanted to know what to do—her house cat had killed the male bluebird. She may not have appreciated my answer.

Of course, these folks are having nestbox emergencies. This is troublesome to me because I feel that perhaps I am seeing the tip of an iceberg? Do these callers represent a small sample of hundreds (thousands?

or more?) of individuals offering nestboxes that are potential death traps for bluebirds? Maybe there are more people engaging in these kinds of “dangerous bluebirding” than the number who are using the tried and true approaches like NABS and our Affiliates recommend? If any member knows how we might test that hypothesis, please let me know!

Taking this topic a bit further. Clearly today, almost anyone can go online and learn about putting up a nestbox and raising bluebirds. But how many of those sources of information give the whole story? For example, the importance of using a proper box, a proper mount, thinking about predator protection, and doing regular and observant nestbox monitoring? Maybe instead of being our friend in bluebirding is it possible that the internet is creating many well-meaning newbies who have not picked up on the importance of doing the nitty-gritty of bluebirding right? I do not want to pick on anyone who is trying to help bluebirds but here is a typical example. Here is a well-meaning site with lots of nice pictures of a marginal nestbox (made of pine?) and mounted on a wood slat? But not a word about monitoring or predator control or how to deal with HOSP? <https://owlcation.com/stem/Bluebirds-Pictures-of-BluebirdsBluebird-Houses-Attracting-Bluebirds>

You may have noticed there is no Affiliates letter this issue. Kevin Corwin, our First VP for Affiliate relations had planned to retire from the board in September but due to unforeseen circumstances decided to resign sooner. In addition, to participating in our board meetings, Kevin made a several important contributions to NABS in his two and a half years on the NABS board including managing our Affiliates program, helping us forge relations with Cornell and NestWatch, and also doing the major overhaul of the NABS by-laws two years ago. We will miss him on our monthly conference calls and wish him all the best! Now my next question is which of you members will step up and take Kevin’s empty seat on our board!?!

Well, this is probably my second to last letter as NABS President—perhaps for the next Winter issue of *Bluebird* someone else will be writing this column? I hope the rest of the season gives you great weather and plenty of insects (but no giant Asian Hornets) wherever you are in North America!

– Bernie

From the Managing Editor

Scott W. Gillihan

For suggesting or facilitating materials for this issue, I thank Christine Boran, Allen Jackson, Gillian Martin, Anne Sturm, Pauline Tom, and Bet Zimmerman Smith (and my apologies to anyone whose name I've forgotten to include!). My thanks also to all of the writers and photographers who contributed material. And as always, my thanks to the sponsors, advertisers, and Affiliates, and the members of NABS, for supporting the conservation of bluebirds and other native cavity-nesting birds.

Please send any letters, photos, articles, or ideas to me at NABSeditor@gmail.com or 5405 Villa View Dr., Farmington, NM 87402.



Letters to NABS

NABS Award Committee,

Thank you, thank you, thank you. I can't thank you enough for the honor to receive the Barbara Chambers Award.

I was totally shocked and surprised.

Thanks,
Gordon Hopp

Editor's note: Gordon was the recipient of this NABS award at the recent NABS/Bluebirds Across Nebraska conference in Kearney, Nebraska (see page 10).

Officials of the North American Bluebird Society, Inc.

Officers

President - Bernie Daniel (OH)
1st VP for Affiliate Relations - Mike DeBruhl (SC)
2nd VP for Community Relations - Jim Burke (NC)
Secretary - Kathy Kremnitzer (MD)
Treasurer - Jim Engelbrecht (NY)

Board of Directors
Darrell Ashworth (WV)
Christine Boran (VA)
Jane Brockway (MT)
Jim Burke (NC)
Bernie Daniel (OH)
Mike DeBruhl (SC)
Jim Engelbrecht (NY)
Stan Fisher (MD)
Allen Jackson (NJ)
Kathy Kremnitzer (MD)
Schuyler "Sky" Rector (GA)
John Schuster (CA)
Harold Sellers (BC)
Joe Siegrist (PA)
Del Straub (OR)
Bet Zimmerman Smith (CT)

Committees (chairperson listed first)

Executive Committee
Bernie Daniel (OH)
Jim Burke (NC)
Mike DeBruhl (SC)
Jim Engelbrecht (NY)
Kathy Kremnitzer (MD)

Affiliates Committee
Mike DeBruhl (SC)
Jane Brockway (MT)
Jim Burke (NC)
Bernie Daniel (OH)
Jim Engelbrecht (NY)
Stan Fisher (MD)
Kathy Kremnitzer (MD)
Sky Rector (GA)
Del Straub (OR)

Awards Committee
Kathy Kremnitzer (MD)
Greg Beavers (IN)

Development Committee
Bernie Daniel (OH)
Jim Burke (NC)
Mike DeBruhl (SC)
Allen Jackson (NJ)
Del Straub (OR)
Stan Fisher (MD)

Education Committee
Bernie Daniel (OH)
Christine Boran (VA)
Allen Jackson (NJ)
John Schuster (CA)
Harold Sellers (BC)

Joe Siegrist (PA)
Bet Zimmerman Smith (CT)

Facebook Committee
Christine Boran (VA)
Kathy Kremnitzer (MD)
Linda Schamberger (NY)

Finance Committee
Jim Engelbrecht (NY)
Greg Beavers (IN)
Bernie Daniel (OH)
Del Straub (OR)

Grants Committee
Bernie Daniel (OH)
Greg Beavers (IN)
Stan Fisher (MD)
Nancy Pearson (NY)
Joe Siegrist (PA)
Bet Zimmerman Smith (CT)

Hotline Committee
Kathy Kremnitzer (MD)
Christine Boran (VA)
Jane Brockway (MT)
Bernie Daniel (OH)
Ellie Delgado (CA)
Fawzi Emad (CA)
Mary Mason (MI)
Sky Rector (GA)
Charlene Robinson (IL)

Journal Advisory Committee
Vicki Butler (CA)

Bernie Daniel (OH)
Allen Jackson (NJ)
Lori Jo Jamieson (NJ)

Membership Committee
Jim Burke (NC)
Darrell Ashworth (WV)

Nestbox Committee
Stan Fisher (MD)
Allen Jackson (NJ)
Kevin Berner (NY)
Kathy Kremnitzer (MD)
Myrna Pearman (AB)
John Schuster (CA)
Bet Zimmerman Smith (CT)

Nominating Committee
Jane Brockway (MT)
John Schuster (CA)
Harold Sellers (BC)

Speakers Bureau
Kathy Kremnitzer (MD)

Website Committee
Kathy Kremnitzer (MD)
Christine Boran (VA)
Bet Zimmerman Smith (CT)

Webmaster
Cherie Layton (NY)

Bluebird Managing Editor
Scott W. Gillihan (NM)

NABS Notices

Notice to NABS Members of the Annual Meeting

Tuesday, September 15, 2020 at 8:00 pm Eastern Daylight Saving Time

In compliance with Article XIX of the NABS Bylaws (Adopted September 4, 2018) members are hereby notified of the Board's intention to hold the NABS Annual Meeting. The Annual Meeting will be held via teleconference call (this notice is also on the NABS website: www.nabluebirdsociety.org).

The NABS Board invites all current members to participate in the meeting via teleconference call on Tuesday, September 15, 2020 at 8:00 pm Eastern Daylight Saving time.

The meeting will be called to order by NABS President Bernie Daniel and will proceed to the first order of business, which will be the announcement of the results of the annual election and then certification of those results by voice vote of the Board members on the call. Though unlikely to occur, a "roll call" vote will be used if necessary. (Note the results of the annual election are determined from a tally of the ballots that are inserted in this issue of *Bluebird* and which have been returned to NABS signed and post-marked before the close of the voting period August 15, 2020.)

The second item of business will be a presentation of the NABS Financial Statement by NABS Treasurer Jim

Engelbrecht. The financial statement is also published in this issue of *Bluebird* and on the NABS website.

If any questions have been submitted to the Board before the meeting date Bernie will try to answer them. The Annual Meeting will then be adjourned.

How do I join the Annual Meeting?

To join the Annual Meeting teleconference call dial in to **712-770-4124**—this will start a recording which will prompt you to enter the conference call code, which is **525322#** (you must include the pound key) and you will be logged into the call. Because there may be many members calling in, it is suggested you begin to log in at around 7:50 pm (Eastern Daylight Saving time). The call will start at 8:00 pm sharp but you can still call in after the meeting has started as there is no lock out.

Members may submit questions via mail, email, or telephone (text/talk) by **September 5, 2020** to Bernie (president@nabluebirdsociety.org) 513-266-4381, or to Kathy (NABS Treasurer) (secretary@nabluebirdsociety.org), or to any other NABS Board member.

Upgrading NABS Technology

Over the past few months the Membership Committee has been working on two projects to enhance communication between NABS and members and to simplify and better secure the membership database. The database is currently using FileMaker Pro software. At some time in the past some data was lost. There is data that is no longer needed. It is not a program that is familiar to most people. So it was decided to transition it to Microsoft Access. This is a work in progress that is being done very carefully.

Shortly after Darrell Ashworth joined the NABS board he suggested that we take a look at using Constant Contact to quickly get important information to the members. We did a test email in February and then on May 4th sent a membership renewal notice to members whose membership had expired January 1st

or April 1st of this year. The response has been better than expected. In the past we have used a printing and mailing company to send the notices for a cost of \$400–\$500 four times a year. NABS pays an annual fee of \$678 for Constant Contact, thereby saving money that can be used for research, education, and conservation projects.

Please take a look at the back cover of every issue of *Bluebird* when you receive it. One inch above your address block you will find your NABS Membership ID Number. You will also find your Dues Paid Thru date and notes about a particular issue being your Next to Last or Last Issue. Directly above your name in the address block is a string of 12 letters and numbers. That is coding of your address by the US Postal Service, it is not your NABS ID.

NABS Finances

North American Bluebird Society Statement of Financial Position as of April 30, 2020

2019 NABS Spending Total \$78,514

ASSETS

Current Assets Checking/Savings

General Operating Accounts:

Union Savings Bank	\$23,776
PayPal	\$3,334
Community Bank	\$6,394
Fidelity Investments	\$69,969

Total Operations \$103,473

Zelny

Union Savings Bank	\$5,443
Fidelity Investments	\$193,441

Total Zelny \$198,884

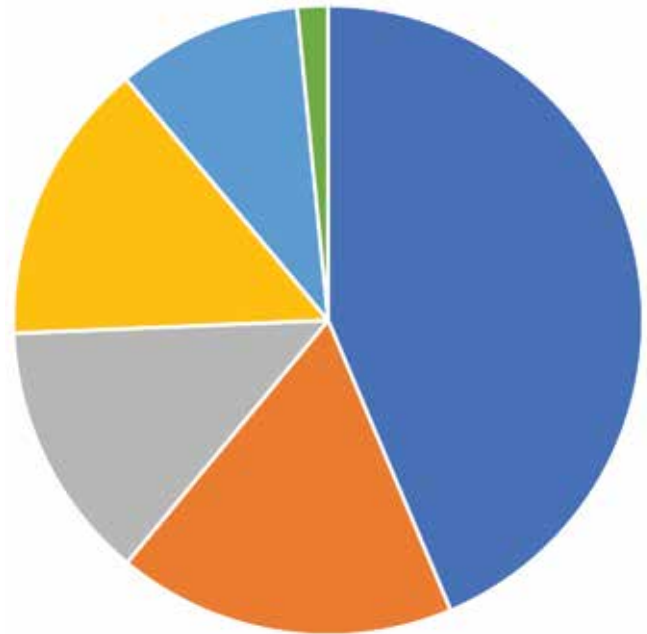
Accounts Receivable \$77

TOTAL ASSETS \$302,434

LIABILITIES & EQUITY

Permanently Restricted Assets	\$100,000
Temporarily Restricted Assets	\$98,884
Unrestricted Net Assets	\$97,825
Net Income	\$5,725

TOTAL LIABILITIES & EQUITY \$302,434



- Bluebird Journal \$34,255
- Education \$13,657
- Grants \$10,454
- Affiliate Support \$11,436
- Operations \$7,474
- Communications \$1,237

Message from the Treasurer

NABS endeavors to make our financial position readily available to our membership and the general public. We do this by publishing our year-end 990 reports on our website and providing the above update in our Summer *Bluebird* journal. The Financial Statements shown above will be discussed at our annual meeting on Tuesday, **September 15, 2020 at 8:00 pm Eastern Daylight Saving Time.**

Notice of the 2021 NABS Grants Program

NABS, Inc. is a nonprofit education, conservation, and research organization and our mission is to promote the recovery of bluebirds and other native cavity-nesting bird species of North America. Accordingly, NABS sponsors an annual competitive grants program in support of that mission.

The NABS By-Laws mandate: 1) a Zeleny Fund wherein monies are put aside and are to be used only for the support of grants, and 2) that the Society can award grants in three areas: research, conservation, and education. **A more comprehensive description of the NABS grants, including Requests for Proposals (RFP), and guidance for application is given on the NABS web site (<http://www.nabluebirdsociety.org/grants/>).** All three types of grants will be offered in 2021.

Larry Zeleny Research Grants

Grants for research projects are competitive and applications are invited via a Request for Proposals published annually on the NABS website as noted above (www.nabluebirdsociety.org/grants/). Research grants must be submitted *before* November 1, 2020, and awardees will be notified of their selection before February 1, 2021. Two kinds of research grants are recognized: 1) basic research grants, which examine some aspect of bluebird (or other native cavity-nesting species) biology, ecology, or life cycle (e.g., a study of nestbox parasites on chick health), or 2)

applied research grants (e.g., finding more effective ways of defeating nestbox predators. The NABS Grants Committee evaluates the proposals and recommends those for funding.

John Kujanik Education Grants

Support for ideas pertaining to the development of books, fact sheets, pamphlets, DVDs or other video products, or other kinds of media which can serve the purpose of educating bluebirders and/or the public about bluebirds and bluebirding (as well as other native cavity-nesting species) can be submitted to NABS for consideration as an education grant. Education grants can be submitted at any time and will be evaluated by the NABS Education Committee, which will recommend funding to the Board of Directors (subject to funds available).

Art Aylesworth Conservation Grants

Proposals that deal with broader-scale issues related to bluebird recovery might be candidates for a NABS conservation grant. For example, NABS recently participated in the funding of a three-year project to reintroduce Western Bluebirds to an area of North America where they had been extirpated. Such projects might be considered for a NABS conservation grant. Conservation grants can be submitted at any time and will be evaluated by an ad hoc committee, which will recommend funding to the Board of Directors (subject to funds available).

NYSBS 2020 Annual Meeting Plans

The New York State Bluebird Society (NYSBS) Board will be teleconferencing in July to determine the feasibility of holding our Annual Meeting on October 17th at the Cornell Laboratory of Ornithology. We will be consulting with Cornell to determine any new COVID-19 restrictions/recommendations and capacity limits that would impact the meeting, confirming our speakers' availability, and making an estimate of how many members will be participating.

Dinner arrangements for 5 pm Friday, October 16th are at the Community Restaurant in Cortland. This allows time for a NYSBS Board meeting afterward. A block of rooms for Friday night has been reserved at the Country Inn and Suites in Cortland at a rate of \$135.60—total with tax.

Existing plans are to have Bernie Daniel (President of NABS) as the keynote speaker. Bernie will speak on Eastern Bluebird population changes, declining insect abundance, House Sparrows, climate change, etc. He will be followed by Heather Williams (PhD SUNY Buffalo) who will recap key findings of her 3-year nestbox parasite study. Robyn Bailey of Cornell will briefly explain the NestWatch program. An early morning bird walk in Sapsucker Woods will be led by members of the Cayuga Bird Club.

If the NYSBS Board determines that it is advisable to proceed with the event, there will be details published on the NABS website and NABS Facebook site.

P.S. The NYSBS still has openings for a Newsletter Editor and State Coordinator.

Notice to Members: NABS Director's Election 2020

Per our by-laws NABS holds a yearly election of our Board members. Our election runs from June 15 to August 15 and ballots can be submitted during that time.

Who can vote? Members in good standing as of May 15, 2020 shall be eligible to vote in the Annual Election. (NABS by-laws Article XVIII.4).

How to vote? Please locate the two self-addressed (not franked) post cards inserted in your Summer (this) issue of *Bluebird*. If you have an individual membership you are entitled to one vote (mail in one ballot). If you have a "family" membership you are allowed to mail in both ballots. To be counted your ballot must be signed and dated.

The Director nominations closed on May 1st and the following slate was submitted by the Nominations chair and approved by the Board of Directors. To comply with NABS by-laws, the slate was posted on the NABS website (by June 15th) and printed in the Summer 2020 issue of *Bluebird*.

Short biographies of the six candidates (alphabetical order) are included below:

Class of 2023 running for a three-year term:

Jim Burke is co-founder and past president of the South Carolina Bluebird Society. He was the Chairman of the planning committee for NABS 2013 in Aiken, SC, and NABS 2020 in Kearney, NE. Jim has been a NABS board member since 2012; he currently serves as the Second Vice President of Community Relations and as Chairman of the NABS Membership Committee.

Mike DeBruhl is an Air Force veteran and retired Business/Human Resources executive and business consultant. His final employment was with a Native Alaska firm in Anchorage, where he traveled throughout Alaska and gained a fascination and respect for northern and Arctic wildlife. Brought up on a farm in the mountains of North Carolina, he had early developed a love of wildlife. He and wife Peg moved to Aiken, South Carolina, in 2008 from Reston, Virginia, and discovered they had beautiful blue-colored birds in their yard. In 2011, he joined the newly formed South Carolina Bluebird Society (SCBS) and became a trail monitor. Hooked on bluebirds he now manages a "neighborhood" trail of 44 nestboxes. Mike went from being a presenter, to a Director, and he now serves as the President of the SCBS. He remains a strong proponent of establishing neighborhood trails as a method of getting people involved, providing practical cavity-dweller education, and sharing the enjoyment.

Kathy Kremnitzer is a retired educator and has been a bluebird landlord for over 30 years after her father built some nestboxes for her birthday. She currently monitors 80 boxes each week in Frederick and Washington counties in Maryland, and is a part of the four-person monitoring team for the Antietam National Battlefield bluebird trail's 100 nestboxes in Sharpsburg. She is the immediate past president of the Maryland Bluebird Society, of which she is a Life member, and serves as County Coordinator for Frederick County. Kathy has been a NABS board member since 2009 and has served as Secretary since 2011. She is as an administrator for both the NABS and Maryland Bluebird Society Facebook pages and responds to many requests for information and assistance, especially during nesting season. Kathy lives in Knoxville, Maryland, with her husband and loves to spend as much time as possible with her children and her three grandsons.

Sky (Schuyler) Rector was born and raised in Wisconsin and for the last 50 years has resided with his wife Diana in Atlanta, Georgia. Over the years he has been actively involved in several neighborhood organizations whose purpose is to preserve and protect the community. His favorite pastimes are bridge, golf, gardening, and woodworking. His fondness for bluebirds goes back about 20 years. He has built and installed over 200 Peterson nestboxes and monitors a bluebird trail of 20 nestboxes. He is a Life member of NABS, actively seeks new members, and builds nestboxes at cost for those willing to make a donation to NABS.

Del Straub is a resident of Portland, Oregon, and is a licensed bird bander and a member and Director of Mountain Bluebird Trails, a NABS Affiliate. He is also a current member of the NABS Board of Directors. Del managed a 90-nestbox trail in Montana for nearly a decade. He specializes in organizational financial management of 501(c)(3) tax-exempt nonprofits and is also involved in long-term citizen science projects in his area. He is a member of several NABS committees including development, finance, and affiliates.

Class of 2022 running for a two-year term:

Harold Sellers lives in the city of Vernon in the Okanagan Valley of British Columbia. So far he has avoided retirement by rebranding himself several

times, going from electronics technician to hiking trail planner to entrepreneur to humanitarian aid management. A life-long interest in the natural world is behind involvement in nature, trails, and outdoor societies for several decades. Harold has held numerous posts, all of which have been good learning experiences as well as opportunities to help wherever needed. He is the president of the Southern Interior Bluebird Trail Society, in British Columbia. He monitors a 23-box bluebird trail that provides homes for Western Bluebirds and, some years, a Mountain Bluebird or two.

NABS by-laws are found at:
[www.nabluebirdsociety.org/Board/
boardofdirectors.htm](http://www.nabluebirdsociety.org/Board/boardofdirectors.htm)

Email, the Website, Facebook, and NABS: A Request to Our Members

Bernie Daniel

Maybe a better title would have been the advantages of using electronic methods of communication (e.g., email, the website, Facebook) with NABS? These days many, perhaps most, members of our society use various kind of electronic or digital means of communication. To do this they might employ a variety of devices such as desktop computers, laptop computers, tablets, or smartphones. There are many reasons why people choose these methods of communication, but quickness and convenience are probably the most important. Sending an email takes only the time required to compose the note and click “send,” and your message is delivered to the other party instantly—no matter where in the world they are. To impart the same information in a letter takes composing, printing, both the letter and envelope, then affixing a postage stamp and a trip the post office. Your message arrives a few days or more than a week later.

Like all organizations NABS is going to be relying more and more on electronic means of communication with our membership and with our Affiliates. Considerations of time and cost make it so that we must increasingly uses these means.

For example, our members frequently do not notice that their membership subscription is expiring, or they forget to renew. So, one day your *Bluebird* journal stops coming—no one likes that! We know from experience that many of those same members are grateful for the “We miss you” reminder letters that NABS always sends out. But each one of

those reminder letters must be composed, printed, addressed, stuffed in an addressed envelope, stamped, and finally taken to the P.O. To send each of these letters costs NABS both time and money that we might better spend on projects for bluebirds. How much better it would be if we could just send those members a “your-subscription-has-expired” reminder by the click of an email instead?

Many NABS Affiliates already send out their quarterly newsletters as a PDF via email—this saves them a lot of money on printing and postage. Some Affiliates communicate with their membership only by email. We have no plans at NABS to offer *Bluebird* as an electronic document at this time, but I could easily see this becoming an option some day in the future.

So our request is that each of our members, please make sure that you provide the NABS membership office with your working email address if you have one. This way we can notify you quickly on matters important to your NABS membership and likewise you can communicate easily with NABS.

Some of you who have a valid email on record with NABS are already getting the notices and little bluebird stories and tidbits that come out quarterly with our Constant Contact messaging system. We hope that you are enjoying these little bits of extra bluebird information and news you can use! We would like to send these messages to all of our members! Thanks for your consideration in this matter.

NABS / BAN Conference 2020 Report

Sandy Seibert

After planning for almost two years, the 2020 NABS/BAN Conference is now history. Before “social distancing” became a household term, the conference was over. The original 185 registered attendees dwindled to 135 for various reasons but mostly because of the threat of the coronavirus. That didn’t stop everyone who did attend from having a fantastic time. The camaraderie between bluebird lovers was apparent even though there was elbow bumping going on rather than handshakes and hugs. As Nava Phillips from Evanston, Illinois, wrote, “It really was a wonderful conference, filled with a lot of camaraderie, information on bluebirds, workshops and auctions, fine exhibits, marvelous field trips, delicious food and great hospitality. I actually came for the Sandhill Crane migration, but loved the whole event.”

Conference attendees were treated to the spectacular sights and sounds of the Sandhill Cranes from the blinds at Rowe Sanctuary. Many of them commented on the beautiful sunrises and sunsets. During a couple of the blind trips, eagles flew over and created an amazing explosion of cranes flying up from the river. Dianne and Bob Leonhard from Calgary, Alberta, sent a note saying, “We enjoyed ourselves immensely...The crane viewing was spectacular!”

Al Batt and Julie Zickefoose, two of our speakers, stepped in to fill the shoes of our birding field trip guides who were compelled to cancel. Who wouldn’t want to go on a field trip with those two! A highlight of the trip was seeing a Bald Eagle fly to its nest with a fish in tow to feed its young.

The prairie culture field trip was not without its problems. The first stop of the trip, the F.W. Frank House, closed its doors the day before the trip. The Kearney Visitor’s Bureau was very helpful in finding a replacement, the Rails to Trails Museum, which was a hit with the participants. The second stop was the Archway. Participants learned a lot and talked about all of the memories that came back to them as they strolled through the many displays. The last stop was the Museum of Nebraska Artists (MONA), which was showing a special Sandhill Crane exhibit. It featured everything from paintings and sculptures to prints and photography that depicted the literal and spiritual significance of the recurring spectacle of the migration. The lunch stop for both field trips

was Burchell’s Whitehill Farmhouse Inn. We were treated to a potato bar with numerous toppings and homemade cookies for dessert.

The four workshops were well attended and very educational. Don Brockmeier taught us how to use our cellphone cameras to take amazing nature pictures. Al Batt entertained while allowing the attendees to tell their birding stories. Myrna Pearman reminded us to take the back roads and open our eyes and ears to find nature all around us. Julie Zickefoose showed us how to gradually create a bird sanctuary to enhance our own existence.

The original plan was to have six speakers on Saturday. However, as with many of our other plans, this was not to be. Saturday’s schedule was changed many times as the week moved on. The lineup of speakers that we ended up with was amazing. Our first speaker of the day was Bill Taddicken, Director of Rowe Sanctuary. With his slides and amazing knowledge, he told the million-year-old story of the Sandhill Cranes moving through the Kearney area on one of the greatest migrations in the world.

After a break with plenty of time to bid on silent auction items, to drop tickets in the raffle sacks, to visit vendors, and to purchase things at the BAN sales table, Myrna Pearman told the story of Ellis Bird Farm, their efforts to help wildlife, and the wonderful job they are doing there to educate young and old alike.



Kevin Corwin with Greg Beavers as Greg receives the NABS award for distinguished service.

Photo by Leland Osten.

The afternoon session began with a presentation by Julie Zickefoose. In this program, she showed pictures and videos of her work with baby birds. She featured her unusual way of recording the bird's growth with her notes and drawings in the margins.

Julie is a true friend of BAN's and one of the heroes of the conference. She not only stepped up as a guide for the birding field trip but she also volunteered to fill in as the entertainment for the Saturday banquet. The title of this talk was "Saving Jemima: Life and Love with a Hard-luck Bird." It was an enchanting presentation highlighting the struggles she encountered saving a Blue Jay, the interactions of her children with Jemima, and tales of the bird's captivity and release. She had the crowd mesmerized with her beautiful pictures, many videos, her words, her singing, and flute playing. She is a lady of many talents.

The biggest surprise of Saturday was a presentation that was given by one of the attendees, Dennis McKernan from Olds, Alberta. On Friday evening, knowing the problems that were caused by losing speakers, Dennis approached Bill and me, volunteering to do a presentation on Saturday. Until Thursday, we had not even met Dennis let alone having heard him speak. We were apprehensive but had a gut feeling because of his personality. We gave him the go ahead. He spent several hours Friday night and Saturday morning preparing his presentation. He classifies himself as being a Spoken Word artist. As he puts it, "My work is partly poetry, partly random train of thought and partly performance. It's hard to say what it is—or to describe—and it touches people on very deep levels." He read nature-related poetry by Mary Oliver and others and very eloquently shared his own feelings about seeing and hearing the Sandhill Cranes from the blinds, seeing the beautiful sunsets and sunrises and other events he had encountered while being in Nebraska. It was a very emotional half hour and enjoyed by all.

Another great friend of BAN's and hero of the conference is Al Batt. As I mentioned earlier, Al stepped up to take over the duties of field trip guide for the birding trip. He also presented a workshop, a talk for the Friday night dinner, and a talk on Saturday. Drawing from his experiences growing up on a dairy farm in Minnesota, he has a talent to weave several tales together and kept the audience laughing minute after minute for an hour or more.

One of the best things about this conference was the BAN volunteers. Without their help there would not have been a conference. Before the conference, many BAN members created works of art and donated them for the BAN sales table. These included jewelry, centerpieces, wall art, kitchen accessories, and more. At the conference, volunteers staffed the sales tables, worked at preparing items for the raffle and auctions, crewed the registration table, and handled the food and drinks in the volunteers' break room as well as keeping it cleaned up. The jobs that were performed at the conference are too numerous to mention but all contributed to the success of the conference. A big thank you to all of you.

In the end, even with all of the problems that were encountered, it was a wonderful conference. We received a note from Dennis McKernan who wrote, "Kudos on pulling this conference out of the fire... it was one of the best I have been to (and I used to organize A LOT of them!) and will be spoken of for many years!"

We are happy to report that all attendees made it home safely and are in good health.

Sandy Seibert is president of Bluebirds Across Nebraska.



Sandy Seibert celebrates her NABS award for exceptional leadership with Bill Seibert.

Photo by Leland Osten.

How Bluebirds are Helping Me to Become a Conservationist

Lara Tseng

From a very early age, I was drawn to birds. The first question I asked about birds was, “Why won’t they let me hold them?” I was three at the time. I am thirteen now. Since then, there isn’t a single day that I don’t seek answers about nature. I love questions that make my world bigger, more interesting, and reveal new discoveries.

Asking questions is how I learned about bluebirds. In 2018 I became a nestbox monitor for the Southern California Bluebird Club (SCBC). The following year I conducted a year-long science project in my backyard. I wanted to see if birds would consume crushed eggshells as a source of calcium. While I found that they did so during the breeding season, the project raised another question. Would the Western Bluebird also do so? This has become my science project for 2020. In this article I would like to describe this project. I would also like to share my interest in technology. I strongly believe that exploring science and learning about technology are keys in helping birds and conserving our planet. I am grateful to NABS for the opportunity to tell my story.

I am an only child. My parents support and help me overcome obstacles to becoming a scientist. Their love and sacrifice nourish my interests in birds, nature,

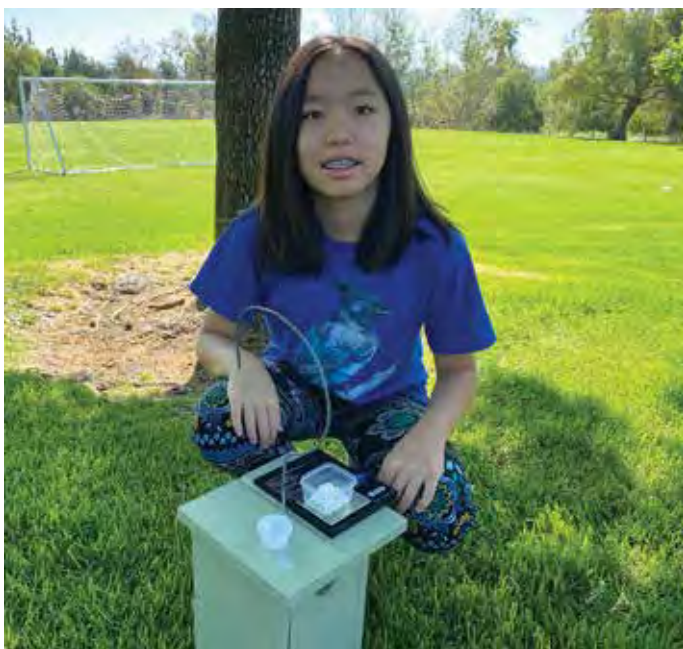
technology, and all the related sciences. My mom gets up before dawn on weekends and during school breaks to get me to classes and events. We often spend hours in heavy traffic. She waits for me at the library or naps in the car.

Around age 10, I discovered to my dismay that my school friends and adult acquaintances often didn’t share my love of nature. In fact, some showed outright disdain. I was surprised, and disappointed. Frustration grew as they dismissed and belittled what I cherish. However, my parents advised me not to take it personally, to respect differing opinions, and most of all to not give up.

As fate would have it, I met my mentor, Ms. Gillian Martin, at a local nature event. She is the founder of the Cavity Conservation Initiative (CCI), a program of the Southern California Bluebird Club (SCBC). She is an inspiration because she works tirelessly to convince people to preserve dead trees for wildlife. Ms. Martin took me under her wing. I began to help out at some of her events. I learned first-hand the need to take action and speak up for causes I believed in. It was up to me to present and convince others that helping birds and conserving nature is important. She illustrated that perseverance is key.

While volunteering at an Arbor Day event, I met the mayor of Mission Viejo, California. He invited me to speak in front of the city council about my experience as a bluebird monitor. The presentation went well but I felt my message about conservation didn’t connect with my audience. I started to wonder how I could improve my public speaking skills to further my cause. Soon after, Ms. Martin introduced me to Mr. Steve Kaye, a professional public speaker as well as a nature photographer.

He kindly tutored me over several weekends. I learned ways to connect with an audience, convey facts in an interesting way, and keep their attention. Mr. Kay called it “owning the room.” One of the most valuable pieces of advice he gave me as a beginner was to be selective about audiences I sought. He suggested I avoid audiences whose minds are likely closed forever. He said I should choose people who are “in the middle,” or uncertain and still open.



Lara with her eggshell study tools.

“That’s where hope for change lies,” he said.

Mr. Kaye’s teachings helped me speak easily and confidently, even at science and tech fairs. This past winter when I presented the outcome of my 2019 project, and also proposed this year’s eggshell project to the SCBC, I really felt I connected with my audience; so much so that SCBC agreed to immediately provide a \$500 grant to fund it.

I am not the first to study this topic. My project was partially inspired by a relevant study by Dr. Andre A. Dhondt of Cornell University titled “Variations in Calcium Use by Birds During the Breeding Season.” It was published in the January 2001 issue of *The Condor*. The study tested birds’ consumption of crushed eggshells at open feeding stations across North America, but the data did not include mention of the Western Bluebird.

To help me, more than a dozen SCBC monitors volunteered to collect data on 64 nestboxes throughout Orange County. The objective is to see if and when the Western Bluebird will consume crushed eggshells from a small, removable, clear plastic container affixed to the top of each box. Each container holds 5 grams of eggshells. The container has a lid with a small hole in the middle to allow the bird to access the eggshells.

In my study, monitors check the boxes and containers at weekly intervals. They will do this during the breeding season (from March to August). They all use the same model of digital scale (capable of measuring to 0.01 g) to weigh the eggshells to determine if and how much eggshell was consumed. After the weight check, volunteers refill each container back to 5 g of eggshells. Weekly checks also record the status of the nest so eggshell consumption can be compared with the stages of the nesting cycle. Although my data will not be complete until after the publication of this article, I have already seen some interesting consumption patterns by the bluebirds. I will be pleased to share my findings with NABS.

It’s been a challenge coordinating and communicating with all the monitors, managing a project budget, and developing clear and concise procedures. There are ups and downs, of course. I enjoy the supportive messages from volunteers, and the jolts of excitement when I see a bluebird investigating my eggshells. But then there are days when heavy rain delays data collection, or when unexpected issues come up. Nevertheless, I am grateful for all the different

experiences that enrich me as a person.

So why did I choose to study eggshells and birds? It was an idea that was born out of my concern over how people like to feed junk food to ducks and other birds in our parks. As NABS members likely already know, this can adversely impact the health and migration of birds, as well as public health. If I learn that providing sterilized, crushed eggshells is possible and practical in public places, I hope that people will be persuaded to feed this to birds instead of things like bread, chips, and other junk food.

Beyond my interests in birds, nature, and science, I am also keenly interested in technology, especially programming and computer science. I have been fascinated with biotechnology of late since it encompasses all my interests. Programming algorithms have helped determine biodiversity in an ecosystem as a whole and populations of individual species within a habitat. These algorithms can also be used to provide a platform for citizen scientists to input data on the biodiversity found in their own neighborhoods. They can be applied to understand the behavior of endangered species to help preserve their population and genetic diversity. Using websites and apps could greatly increase awareness and be



Lara and her parents at the SCBC meeting.

crucial in educating the public about some of the most urgent problems that we are faced with today.

Skills in software engineering and biotechnology can help me contribute more to protecting animals and conserving nature. So far, I worked on a few demonstration projects such as a website on identifying my local bird species as well as an app that targets people, especially kids, to help conserve nature. These projects competed in Coolest Projects USA (a tech fair for 18 and under), winning 1st in web design in 2019 and 1st in app creation 2020.

While I can't thank everyone who has supported me in my journey, I do want to acknowledge some key people who greatly shaped who I am today. I met Mr. Lindsey and Ms. Cathy Groves from the Natural History Museum in Los Angeles when I was three years old. The two of them are successful and inspiring scientists and have been incredibly supportive.

There is also Ms. Laura Cohen, a resource specialist at Laguna Wilderness Park who first introduced me

to conservation. She is my "nature mom" who has opened up so many new interests and opportunities such as managing my own booth at multiple nature events that the park hosts.

And most of all, I wanted to thank Ms. Martin of the CCI. If it weren't for a mentor like her, I would not have progressed this far. Through successes and disappointments, she has been there for me.

I am also grateful for the support of my school teachers, principals, and superintendent. Their encouragement and understanding mean a great deal as I work hard for the cause I support.

As I write this, I am thinking of all the conservationists who have come before me and are working earnestly to protect life on our planet. I want to honor them with responsible, helpful actions. While there is much for me to learn, I have my parents, my mentors, Sea & Sage Audubon, and the SCBC to help stay on course. With their support, I know I can make a positive impact for the causes I cherish. Thank you for allowing me to share my story.

Letters to *Bluebird*

I just read the article "Which Nesting Box Should I Use" in the Spring 2020 *Bluebird* issue, and I want to add voice to the advantage of side-opening nest boxes. Yes, cleaning a side-opening box is easier. However, it's important to consider how the side door is hinged. Below is a link to a plan I authored some years ago.

https://www.birdsfly.info/Bluebird_Trail/Original/Building_Nest_Boxes/Pauser_Bluebird_Nest_Box_Plan.pdf

Note that the plan is for a side-opening bottom-hinged nestbox. The advantage of a bottom-hinged door verses a top-hinged door is that the side can be opened a crack to peer inside the box, and if conditions warrant no further inspection, the door can be quickly closed.

These conditions include:

- The female is incubating her eggs (I never ask my ladies to leave their eggs).
- The female is with just-hatched hatchlings.
- The nestlings are jumpy and may pre-fledge. If I suspect this possibility I insert my thumb through the entrance hole while holding the box to prevent nestlings exiting the box.

Additionally, a mirror is often needed to peer into the nest if the door is top-hinged. This makes checking the nest too intrusive.

I don't agree with boxes not being opened after day 12 as I too often find one or more dead nestlings days before the living should fledge. Last year I twice found all but one 14+ days-old nestling dead in a box. I placed the hanging box on the ground, removed the living nestling and put it a cardboard box, swapped out the nest (I carry unused clean nests with me), placed the nestling in the nestbox, and closed and rehung the box. In both cases the nestlings fledged.

On a side point, the author George Grant states that Tree Swallows only have one brood a year. My experience in San Jose, California, is that they often do have more than one brood. This is my 19th monitoring season, and to date for Tree Swallows I've recorded 4,889 first broods, 1,470 second broods, and 2 third broods (the third brood cases involved earlier clutches of eggs that disappeared).

Regards,
Lee Pauser
San Jose, CA

Lillian Lund Files: Sixth NABS President Passes on a New Bluebird Trail

Maureen Mann

The Tyngsboro Historical Commission twittered springtime bluebird announcements back and forth across the large wooden table in the Bessie Norris Room of the former Littlefield Library at the start of their meeting in May of 2019. It was a fitting topic given their agenda to discuss digitizing 12 blue notebooks belonging to Massachusetts bluebird conservationist and sixth president of the North American Bluebird Society, Lillian Lund Files. Equally fitting was the location. Exactly 40 years before, in the spring of 1979, Lillian Lund Files at age 53 entered the Bessie Norris Room of the then Littlefield Library to meet with the Tyngsboro Bird Society. It was a small turnout of nine, but that didn't bother this equally small, mild-mannered woman determined to help the group attract a larger audience.

She volunteered for program chair. After booking monthly speakers, she added extra excursions to the

mountains and shore to view special bird species. She motioned for a "Save the Bluebird Committee," offering to host extra meetings at her home. By the end of the year, The Tyngsboro Bird Society elected her president.

Her leadership success borrowed management skills she developed as bookkeeper for the Files Equipment Company, the family-owned business, but her experience with bird conservation was more recent and unexpected.

It was her father, raised in Sweden, who built the nesting boxes that attracted bluebirds to the grassy fields of Windswept Acres, his 30-acre property at the crest of Scribner Hill in Tyngsboro. In the late 1950s, Lillian and her husband, Orrin Files, built a ranch home next to her parent's home to raise their son, Steven.

When Lillian casually asked a Mass Audubon member who lived in town why bluebirds were never recorded in the news of local bird counts, the group descended upon her invitation to see the birds. Soon after, a letter arrived from Massachusetts Audubon's Hathaway School of Conservation Director Dr. William H. Drury, the Harvard-educated scientist famed for the federal investigation of pesticide dangers prompted by Rachel Carson's *Silent Spring*, asking Lillian for data on the couples and fledglings of the dwindling species.¹ Her skill in accounting made the request easy, fun even, but during the 1960s and early 1970s, her focus was on her family. DDT was banned in the United States in 1972 without her help.

It wasn't until the late 1970s that she started to notice the number of bluebirds nesting at Windswept dropping. During an unexpected May snowstorm in 1977, a broken tree branch cracked the box holding her only nesting couple, exposing newly hatched baby bluebirds to the seeping snow piled on top.



Lillian Lund Files visits with a rehabilitating male bluebird. Photo by Lauren Mann Chaney.

¹ Smith, Mrs. Charles L. Letter from Dr. William H. Drury's secretary to Carol Lambert, 4 August 1964. Lillian Lund Files Bluebird Notebooks, vol. 1 p. 9. Internet Archives, 11 May 2020. <https://archive.org/details/lillianlundfiles01file/page/n7/mode/2up>

With flashlight in hand, Lillian rushed to their rescue, clearing off the box through the night, moving the branch and waiting impatiently for daybreak to see if their missing parents would return.

The following year was equally anxious. New England's blizzard of 1978 affected bird migration to the area. Although she replaced the broken box with six new nesting boxes, no bluebirds scouted for them in February. Neither nests, nor eggs, filled the boxes in early May as they always had without fail for 20 years. Lillian was heartbroken. She felt an emptiness in her life that made her ask where happiness really came from. In late May, when a male bluebird flickered across the field at Windswept Acres, she found her answer.

She set aside the Files Equipment Company accounts to record her own heartfelt account of what made her happy—bluebirds. Her story was printed as a Letter to the Editor in the Massachusetts Audubon Society's newsletter in January 1979.²

A reply from the North American Bluebird Society's Corresponding Secretary Reverend Raymond Prybis sparked her membership with the national group, and the same determination that drove her to join the leadership of the Tyngsboro Bird Society in the spring drove her 452 miles farther to the second annual meeting of NABS at the National Zoological Park in Fort Royal, Virginia, that fall.

She returned to Massachusetts a full-fledged bluebird activist with a new copy of Dr. Lawrence Zeleny's *Bluebird*, a rack of Jack Finch's speaker bureau slides, and a clear vision to start a bluebird trail in the Northeast to boost the nearly nonexistent population of bluebirds there.

One of founder Lawrence Zeleny's earliest research studies for *Sialia* recorded the growth of the new Massachusetts trail in a two-year study titled, "First Brood Summary 1980: An Indication of Winter Survival." Box counts for 103 participating Eastern Bluebird trails from 27 states and Canada totaled 3,103 in 1979. In 1980, the group's box counts rose to 4,089 with the five most active trails adding between 15 and 102 new boxes over the year while the Massachusetts trail reported a gain of 302 boxes, albeit

2 Files, L. 1979. Letter to the Editor, *Massachusetts Audubon Newsletter*, vol. 18, no. 5. 1979. Lillian Lund Files Bluebird Notebooks, vol. 1, p 10-11. Internet Archives, 11 May 2020. <https://archive.org/details/lillianlundfiles01file/page/n9/mode/2up>

with only a single nest.³ In less than four months, the Tyngsboro Bird Society's Save the Bluebird Committee, a handful of teachers, scout leaders, and multi-generational citizens, built 342 nestboxes and placed the majority by February.⁴ Lillian monitored 114 of the boxes herself—by moped. By 1984, the trail grew to 542 boxes. Lillian partnered with state ornithologist Brad Blodgett in 1989 to utilize abandoned state hospital lands for another 500 boxes in Gardner, Massachusetts.

Something about her message was magnetic. The Tyngsboro Bird Society meetings outgrew the Littlefield Library. In addition to delivering 489 lectures to community groups of every shape and size until 2008, she appeared in local news, radio, and TV. *Boston Magazine* selected her as one of their "Faces to Watch in the 90's." Colleges and museums consulted her expertise.

Lillian made an equal effort in national leadership. After serving on the NABS board of directors for two years, she became the organization's sixth president in 1983. With her natural gift as a speaker, blue eyes, and both a name and a laugh that rang out like a birdcall, she graciously took on the role of bluebird spokesperson. She represented NABS at the governor's mansion in Bermuda to celebrate their new affiliation. She wrote research articles for *Sialia*, uncovering some of the earliest known written references to bluebird trails in the journals of Henry David Thoreau, a work cited by Lawrence Zeleny in his history of bluebird trails.⁵ She developed Windswept Acres into a "demonstration tool" hosting photographers, nature writers, students, and citizens from all walks of life, an activity that would later earn her the NABS award for Outstanding Contribution to the Field of Bluebird Conservation in 1998. Each visitor received a handsome dose of her Swedish hospitality with a tour of the bluebird boxes, videos, and an invitation to sign her guest book.⁶

3 Zeleny, L. 1981, "First Brood Summary 1980: an indication of winter survival," *Sialia*, vol. 3, no. 1, p3. North American Bluebird Society Archives, 11 May 2020. <http://www.nabluebird-society.org/PD.F/Sialia%20Bluebird%20Journals/3.1.pdf>

4 Files, L. 1980, Photos and news of Save the Bluebird Committee box construction, Lillian Lund Files Bluebird Notebooks, vol. 1, p 26. Internet Archives, 12 May 2020. <https://archive.org/details/lillianlundfiles01file/page/n25/mode/2up>

5 Zeleny, L. 1983, "History of Bluebird Conservation," *Sialia*, vol. 5, no. 2, p44.

6 Files, L. Acceptance Speech for Outstanding Contribution to the Field of Bluebird Conservation, 8 July 1989. Lillian Lund Files Bluebird Notebooks, Box 5, Vol. 5 p 46. Internet Archives, 11 May 2020. <https://archive.org/details/lillianlundfiles05file/page/>



Lillian with Dr. Lawrence Zeleny at the Governor's Mansion in Bermuda.

Photograph from Lillian Lund Files Bluebird Notebooks.

As president, and throughout her 30 years on various NABS committees, Lillian encouraged the organization to document the NABS story. She asked members to gather news clippings and photos of their success into scrapbooks to share at the annual meetings. She was as meticulous about documenting and publicizing bluebird conservation across the continent as Dr. Zeleny was about counting the rising numbers of nestboxes and fledglings. In fact, the 12 volumes before the Historical Commission that evening represented her effort to do just that.

The digitization decision before the Tyngsboro Historical Commission rested on whether her collection had enough value to commit to an annual membership fee to Digital Commonwealth, the Massachusetts nonprofit that supports public awareness of the generous digitization services funded by The Digital Public Library of America. The Commission's answer seemed to come while reading the first line, of the first clipping, in the first volume. This 1977 news story was not about Lillian, it was about them, "We Tyngsboro adults remember that when we went to school here we had bird walks, bird essay contests, prizes for occupied bird houses.... The Tyngsboro children knew the birds and cared about them." ⁷ The article listed names of the town

members who helped implement this conservation education effort. The Commission recognized them immediately. One was Bessie Norris herself. Lillian's notebooks held their history of citizenship.

The digitized collection was completed in February 2020 by the Digital Public Library of America hub at the Boston Public Library. As the collection took flight, the citizens of Massachusetts were sequestered indoors due to COVID-19.

The situation created an odd irony. Suddenly, the community needed happiness and all forms of artificial entertainment outside their homes were off limits, only nature remained, and bluebird trails became a welcome and timely topic.

Upon Lillian's passing in 2016, the town of Tyngsboro used \$500 of Community Preservation Act funding to clear a trail on conservation land for bluebird boxes in her honor, but within a few short years, without monitoring and maintenance, the area became overgrown, as did the trails she encouraged in other parts of the state.

A virtual buzz began over the newly digitized Lillian Lund Files Bluebird Notebooks collection. An understanding emerged during Tyngsboro's eerily silent spring about the importance of preserving outdoor spaces, protecting nature, and speaking up, like Rachel Carson, for the health of all living things against viruses, new poisons, and poor policies. Planning began—plans for programs with the historical society, plans to organize funding to restore the trails, and perhaps, as the spread of information rises, even plans to engage those young citizens again with the power in partnerships between science and citizens. Who knows where this new digital trail created by the infectious Mrs. Files will lead us?

Maureen Mann is a Digital Humanities Librarian and owner of Common Good Edu, commongoodedu@gmail.com

*Lillian's 12 bluebird notebooks are filled with information about NABS, its history, and bluebirds in general. To view the notebooks go to <https://archive.org/> and, in the Internet Archive search box (**not** in the "Wayback Machine" search box), type "**Lillian Lund Files**"*

Files Bluebird Notebooks, Vol. 1, p.2 Internet Archives, 11 May 2020. <https://archive.org/details/lillianlundfiles01file/page/n1/mode/2up>

n41/mode/2up 11 May 2020.

7 Unknown author, Local news article, 1977, Lillian Lund

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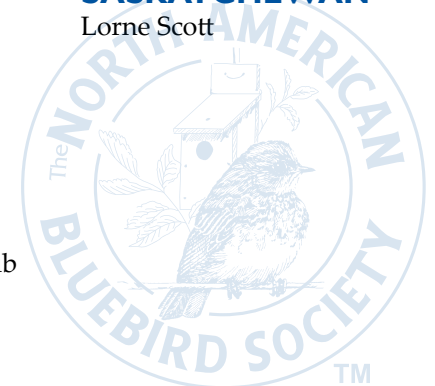
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Insect Populations Continue to Plummet – What Does This Mean for Bluebirds?

Bernie Daniel, Ph.D.

About two years ago I mentioned some studies on several continents suggesting that there were serious declines occurring to insect populations worldwide. Recently, I have been coming across additional research on this topic and this story is not getting better. The decline in the numbers of insects is obviously important and concerning information to a Society like ours that promotes the preservation of insectivorous, cavity-nesting birds.

Last year, an article entitled “Worldwide Decline of the Entomofauna: A Review of its Drivers” was published in the journal *Biological Conservation*. Shortly after the publication of this research a British daily, *The Guardian*, reviewed the paper in its science section. The first sentence of the review article read: “The world’s insects are hurtling down the path to extinction, threatening a ‘catastrophic collapse of nature’s ecosystems,’ according to the first global scientific review.” Well, they tipped me

off to the study but I thought that statement seemed a bit “dramatic.” However, after reading the actual scientific paper I think that sentence is a legitimate way to describe the overall conclusions of this important and comprehensive study.

The results of this major review article, published by Drs. Francisco Sánchez-Bayo (University of Sydney, Australia) and Kris Wyckhuys (Academy of Agricultural Sciences, China) suggest that the populations of about 40% of all insect species are in steep decline and 80% of those are now classified as endangered. As startling as this news might be, the next conclusion seems equally so. “[The study reports that] ... the rate of extinction [of insects] is eight times faster than that of mammals, birds, and reptiles.” The authors’ calculations suggest that if one could measure the total biomass of all insects we would find that it is decreasing at a rate of 2.5% per year. What does this mean exactly for numbers of insects? It means that if this rate of decline were to continue, by 2070 insects would be present at only half the numbers they are today. Further, at some time, early in the 22nd century, the earth would be largely “insect free.” This is certainly shocking news, but that is a conclusion that the Sánchez-Bayo and Wyckhuys study seems to be pointing to.

While such scenarios seem almost impossible it is worth noting that the study was based on an analysis of what the authors considered to be the 73 best recent papers on insect population trends. In short, the many stunning conclusions from this paper are based on a very large volume of prior scientific research.

Looking more closely at just one of the papers that was reviewed we can appreciate the magnitude of the problem. In the Puerto Rican rainforests one study showed that over a recent 36-year period there has been a 98% reduction in the biomass of flying insects and 76% loss for those that are ground dwelling. This corresponds to annual losses of 2.7% and 2.2%, respectfully, for these insects. Follow-up studies confirmed similar declines in the numbers of insect-eating birds, frogs, and lizards in those same areas, which the authors attribute the reductions of invertebrate food supplies.



Nigel / <https://flickr.com/photos/winnuf>

Certain insect disappearances have already been familiar to us for some time. For example, we have long known that the insects of the order Lepidoptera, butterflies and moths, were in trouble. Concerned individuals have responded in various ways, e.g., planting milkweed for monarch butterflies. But the problem goes well beyond monarchs and includes many other common insect taxa, e.g., other butterflies, ground beetles, ladybirds, dragonflies, stoneflies, and wild bees.

One study showed that almost all butterfly species have declined by 58% on the farmlands in the UK and this decline happened in less than a decade. The situation appears to be similar in the rest of Europe and elsewhere. One large European study resulted in a report stating that, of 576 species of butterflies in Europe, at least 71 were threatened and had declined over a 25-year period. The largest declines were experienced by habitat specialists, e.g., wetland-dwelling butterflies. Study after study in individual countries show nearly the same conclusions, e.g., England, Scotland, Denmark, Belgium, Netherlands, Finland, Sweden, Japan, Borneo, and elsewhere. Almost the same situation exists in the US with studies documenting 80% of butterfly species declining in Massachusetts and 27% in California. In many of these studies the researchers point out that these marked declines in butterflies have become most severe over the last several decades.

The problems with domestic honeybees are also well known (in 1947 there were 6 million honeybee colonies in the US and today the number is 2.5 million). But in addition to domestic bees many other wild bee species (order Hymenoptera) are declining as well. In Oklahoma for example, there are about one-half of the number of bumblebees today compared to 1947. These declines in bees have been occurring for several decades. Another study, conducted in Illinois in the early 1970s, showed only 140 species of bees were recovered compared to nearly 190 species found in same area in the 1900s. The decline was most pronounced for species that are habitat specialists—e.g., only 59 of 73 prairie-dwelling bees and 15 of 27 forest-living bees were found. Likewise, a large study in southern Ontario showed that between 1971 and 2006 half of 14 species of bumblebees were in decline with only 3 increasing while another 3 had apparently disappeared. Very similar studies on bumblebee populations, with very similar patterns, were reported for other countries, e.g., Sweden and Denmark.

Also, singled for mention is the order Coleoptera, which holds over 300,000 species of beetles. Many of these species are declining all around the world, particularly dung beetles. Relatively less is known about some of the other insect groups, e.g., flies, ants, aphids, shield bugs, and crickets, but what we do know is not good and the authors of this study suggest that there is no reason to think they are faring any better than those species that have been more thoroughly examined.

Declines and species losses are being recorded for aquatic insects as well as terrestrial. Many ecologically important aquatic insect orders such as Odonata (dragonflies and damselflies), Plecoptera (stoneflies), Trichoptera (caddisflies), and Ephemeroptera (mayflies) have already lost a substantial proportion of their species. The larval forms of these insects form the food base for many freshwater vertebrates, e.g., minnows and tadpoles. It is impossible to cover here all of the many individual studies reviewed in this extensive and well-documented paper but the trends documenting insect declines are consistent and undeniable.

As mentioned above one other important, and particularly curious, observation is that the insect (and other invertebrate) species seem to be disappearing significantly faster than the declines in many vertebrate species (see Figure 1, next page).

It is not possible in this article to go into detail as to the possible causes of these broad-scale declines in insect populations. In their review Sánchez-Bayo and Wyckhuys offer the typical suspects:

1. The worldwide intensification of agriculture practices—efforts to increase food production results in lands not previously considered ideal for crop production being utilized. Thus, many formerly natural areas of forest, grassland, and wetlands, habitat for insects, are disappearing.
2. The development of newer generations of pesticides (e.g., phenylpyrazoles and neonicotinoids), which were created specifically to be *more* toxic to invertebrates and *less* toxic to vertebrates (e.g., birds, and other wildlife) are proving to be very efficient indeed at killing insects and but they also persistent in the environment and seem to have unanticipated sub-lethal, albeit population-limiting, effects as well.
3. Biological factors, including pathogens and introduced species from other continents.
4. Unfavorable reproduction and life cycle

conditions brought about by climate change (the authors suggest that climate factors might be particularly important in tropical regions compared to temperate zones).

Individuals who study the evolution and the ebbs and flows of life on earth often refer to the present time as the “sixth mass extinction.” While dramatic sounding this concept could be said to be supported by scientific studies. In addition to the declines of insects discussed above, similar extensive population losses have already been documented for larger animals that are easier to study and more obvious to the public. For example, in one study approximately one-half of 177 mammal species surveyed had been extirpated from over 80% of their historical ranges since 1900. In a recent *Bluebird* issue (Winter 2019–2020) I wrote about the seminal study by Rosenberg et al. (2019), documenting the loss of one-third of the North American avifauna since 1970.

The overarching core cause in insect declines are clearly human beings—specifically their numbers. There are an estimated 7.5 billion humans on Earth today. This is a large number, yet we represent only 0.01% of the Earth’s living biomass. Despite this fact, humans have caused the loss of an estimated 83% of all wild mammals and about 50% of all plant species. Today, 96% of all mammals on earth are either human

beings (36%) or domestic livestock (60%). In the bird world about 70% are some kind of a domestic fowl (e.g., chickens, turkeys) and only 30% are wild birds. In this context, the term sixth mass extinction does not seem so extreme to me.

The insect losses discussed above are and will be increasingly important, first to insectivorous birds and other animals and then, as the effects work through the food chain, to humans. The total biomass of insects (and similar invertebrates, e.g., crustaceans and spiders) are approximately 17 times that of humans and their disappearance means that the proper function of many life-supporting processes insects provide (e.g., serving as a food source for other animals, pollinating food producing plants, and functioning to recycle nutrients) will be lost.

In the past two years on these pages I have discussed the declining successes that we seem to be having in our efforts to increase Eastern Bluebird (EABL) populations. The excellent response of EABL populations to the efforts of individuals supplying artificial cavities observed in the 1980s to early 2000s is not apparent today. Multiple sources of information, including continental bird surveys, confirm that EABL populations are no longer growing at 2–4% per year like they did four decades ago. Perhaps, in fact likely, the decline in insect

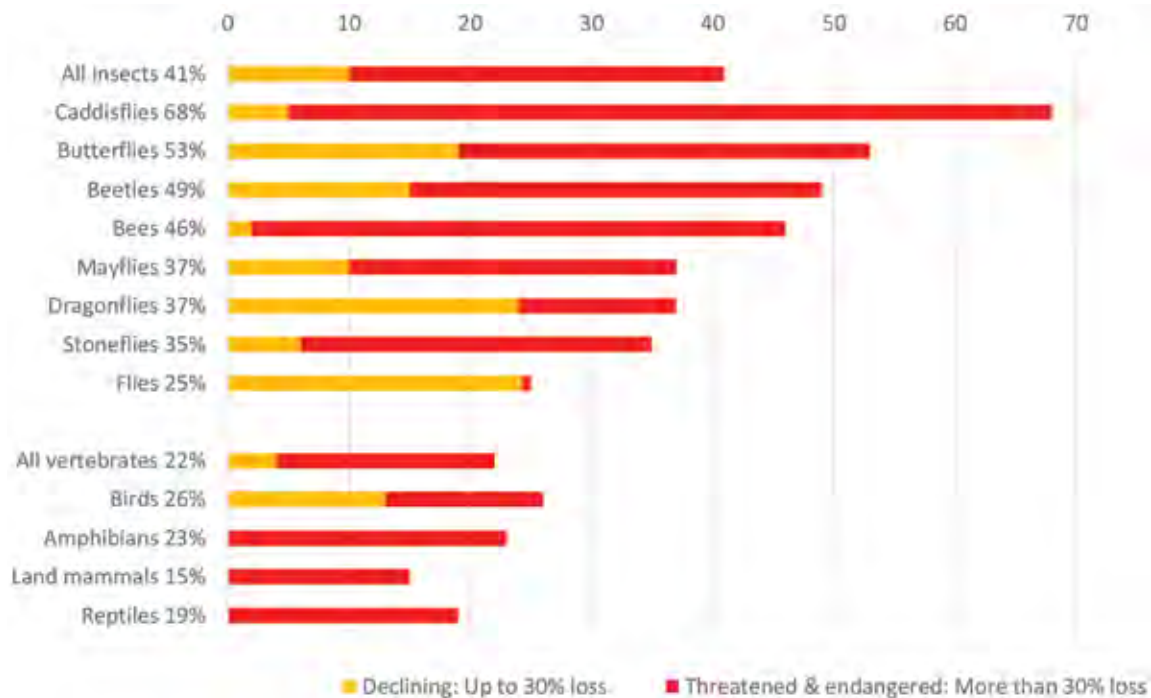


Figure 1. Graphic adapted from Sánchez-Bayo and Wyckhuys (2019) comparing the rates and extent of losses of invertebrate species with vertebrates.

populations is a significant part of the reason for this change of fortunes for bluebirds? It would hardly be surprising to find out that this was the case. No wildlife will experience hardships of the decreasing supplies of insects sooner or more profoundly than the insectivorous cavity-nesting birds that the members this Society labor so hard to support.

One question that is certainly in the minds of bluebirders would be, now that we know about this problem, “What can we do about it”? Unfortunately, there is probably no single, simple, or “one-size-fits-all” answer to the problem of declining insect populations. This a complex issue that will most likely involve combining different actions from multiple sources (e.g., changes in food production methods, changes in land management, changes in public awareness). These are all large-scale issues requiring policy and practice changes that can only happen through actions by multiple entities and at several levels (government at all levels, farming and agrochemical businesses, urban center polices on farm land encroachments, regulating developments to better preserve more natural lands, and on land use practices by all owners, public and private). One thing that individual landowners can do on a local scale is to help to reverse some of the negative impacts on habitat quality by replacing nonnative vegetation with appropriate native plants and trees. This would help all kinds of native wildlife.

A second area where it seems that NABS members and other bluebirders could work would be to use our time and efforts on our nestbox trails to observe and gather evidence that the loss of insect populations is indeed impacting bird reproduction. Part of this effort could include such things as simple as keeping better and more detailed records. Participating on larger-scale data gathering efforts, e.g., the NestWatch program would be very useful for tracking regional trends in bluebird production. Then if entomologists can document insect declines in certain regions of the continent we can ask NestWatch to run the statistics to see if we are also fledging fewer birds in these same areas.

Third, it seems logical that the lack of adequate food sources for cavity-nesting birds should result in some kinds of notable “signals” or bird behavior on our trails. Can we identify these signals and then document them when we are observing them? For

example, birds have instincts about the conditions around them—it seems likely that a pair of birds might abandon a clutch of eggs if the food supply in an area diminishes to less than what is required to support them or the nestlings. Is this happening more often now? Likewise, it seems reasonable that at times of a diminished food supply (e.g., spiders and insects) that you would record higher numbers of nestlings dying from malnutrition—i.e., with empty crops, etc. We should probably be watching for these and other similar signs and reporting them more aggressively. If members who see such clues on their trail send the information to NABS and to NestWatch, we can begin to establish a database supporting the need for action on the “bug problem.”

All wildlife is being dramatically and negatively impacted by a single species—humans—and from multiple factors (e.g., loss of habitat, exploitation for food/pelts, or for sport). A half century ago it seem that we, as cavity-nesting devotees, had been able to forestall or offset some of the negative effects of other human activities by providing artificial nestboxes for bluebirds. It is not as clear that today just providing nestboxes is still enough to counter all of these other negative practices. It is important that we attempt to address this issue by collecting data from our nestbox trails.

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Bluebird 9 | I

Kathryn Bird

On April 30, I was desperate. I had a one-legged poppa bluebird having trouble getting out of our nestbox when he was feeding his six babies. To complicate the situation, the momma bluebird had gone missing the day before. So I called the North American Bluebird Society emergency phone number (the NABS Hotline).

My love affair with bluebirds started in 2014, when a pair nested in our vacant Purple Martin house. We still don't have any Purple Martins, but some years we had at least one Eastern Bluebird brood fledge. However, after a particularly ugly year where all the fledglings were lost, we got the proper setup with the right pole, right baffle, and right box. Last year, we replaced the regular box with a Two-Hole Mansion that my husband built. The pair had THREE broods! There were babies from April to the end of August, a total of 13 fledglings. I was overjoyed. I had purchased a Blink camera in the spring, which I put in the nestbox. I became quite a voyeur watching the babies develop (it's a good thing you can replace the batteries in the camera). Unfortunately, between the second and third brood, the poppa bluebird lost a leg! I noticed it because he was having trouble getting out of the house when he was feeding the babies.

This season we had the earliest nest ever. The first egg was laid on March 27. Momma and Poppa worked really hard raising their six babies. On April 29, Momma went missing. And I saw Poppa was having a difficult time getting out of the house every time he came to feed the babies. It was at that point I realized it was the same pair from last year. Let's face it, how many one-legged bluebirds do you see? I was amazed that he had made it through the winter and back to our yard. After I saw Poppa fall on the babies several times trying to get out of the box, I called my local wildlife center. They said leave them alone and see how things turn out. I couldn't stand the thought of losing the babies, so I called the NABS emergency phone number (Hotline). They were incredibly helpful! Bernie Daniel and I discussed ways I might be able to help the poppa bluebird. He agreed the nest should be raised. Christine Boran called me later that day and we had the same discussion about what might help. Her detailed instructions on how to raise the nest kept my husband and me from making some tragic mistakes. If she had not taken the time to tell me to how to block the open box so the babies

couldn't prematurely fledge three days early and how to keep them from jumping out of the box after we were finished (they were really upset), we might have lost some babies. Three days later, all six babies fledged!

The next day I put out extra mealworms for Poppa and watched him take them to the fledglings in different trees. Unfortunately, there was one baby still on the ground. So I again called Christine in a panic. She advised me to leave it on the ground as long as poppa bluebird was attending to it, which I confirmed he was. The next morning—to my delight—Poppa was feeding him in a tree.

I knew cleaning out the nestbox was going to be a less than pleasant experience, because Poppa had absolutely no housecleaning skills. Christine helped me out by describing the best way to clean and sanitize the box. It was a cesspool; once again, her advice proved to be right.

Thank you to NABS, Bernie Daniel, and Christine Boran for giving me such good advice on your Hotline for my emergency. Two days ago, I saw two babies being fed by Poppa on my back deck, which warms my heart.



Kathryn called this “the dirtiest nest I've ever seen,” but with help from the NABS Hotline, she was able to clean out the box.

Fighting the Squirrel – And Winning!

Ralph Stemp

Most bluebirders have been plagued by squirrels. They attack a nestbox by gnawing on the entrance hole to make it larger so they can claim the quarters as nice living space.

An effective solution to foil the squirrel is to move the box. But if the box is already in the perfect location that is not a viable option.

A common solution is to place a metal plate over the entrance hole. The plate will deter further chewing.

A simple and inexpensive metal plate to use for this box modification is the electrical junction box cover available at the big box stores. The hole in that plate is 1½ inches in diameter, give or take a millimeter. The plate is 2½ × 4 inches.

Foresight is certainly golden when it comes to setting out a nesting box. And attaching the plate during the construction process is easy. However, if one is in catch-up mode, and the box has already been attacked by the squirrel, then positioning of the plate may require some ingenuity. That is because the side of the hole will have lost some wood and screws may not easily find solid wood as was available during construction. So the plate can then be positioned—vertically or horizontally—as the available wood dictates.

Note the two plates have an extra screw hole in them. That is a typical modification of the plate and it allows positioning the plate so screws can reach solid wood behind.

The plates are silver. Some khaki spray paint is therefore in order. Also, the screws that come with the plate are not meant for wood, so purchase some no. 8 wood screws of ½ inch length.



The plate can be mounted horizontally (above) or vertically (below), depending on the availability of solid wood to hold the screws.



Woodpeckers as Predators

Bet Zimmerman Smith

Oranges are not the only unusual things Red-bellied Woodpeckers eat (photo at right). Recently I watched a horrifying nestcam video recorded by Judy Gammon of Kentucky. The woodpecker first tries to snatch the mother chickadee, and succeeds in scaring her off. He proceeds to eat all seven of her four-day-old nestlings, one by one. Judy also saw him checking out other chickadee nests, but she put hole restrictors on those boxes, which successfully kept his fat head out. A friend of mine in Connecticut saw a Red-bellied Woodpecker steal an egg from a House Wren nest. When eggs disappear during the day, one by one, and the nest is undisturbed, you may have a hungry Red-bellied or Red-headed Woodpecker. To prevent this kind of predation, try a wooden faceguard, lower the nest to 4.5 inches below the entrance hole, or use a deeper nestbox (8.5 inches from bottom of hole to floor) with kerfs on the interior to enable fledging.



Red-bellied Woodpecker surprisingly helping himself to a refreshing orange that was intended for the neighborhood orioles.

Photo by Patrick Smith.

Photo Gallery



NABS member Nels Anderson sent this photo of a joy-riding Eastern Bluebird. Nels says, "I have two trails in New Jersey and over the years some interesting photo opportunities have surfaced. The attached is a male bluebird who is interested in the bluebird he sees in my truck mirror. At times he would land before the truck stopped rolling. PS: I have over 4,000 grandchildren, bluebirds of course."



Richard Taylor wrote: "I thought you might like this photo from my neighborhood in Cumming, Georgia. An Eagle Scout project [led by Mac Howe] put bluebird houses in the community." The boxes were installed last July; as of this April, 10 of the 14 boxes had nesting Eastern Bluebirds.



Cathy Partusch sent this image and a video of Eastern Bluebirds using a "bird bottle" (if you've been to Williamsburg, Virginia, you're probably familiar with these nesting structures and their history). This bottle, in Columbia, Missouri, fledged four bluebirds this spring.



Juno Lamb, of New Hampshire’s Chocorua Lake Conservancy, provided this image and explanation: “This bluebird started as guerrilla art. My friend, one of the town librarians, got sick of seeing the dead wreath hanging on the porch of our town office building across from the library, took it down, and asked me if I could come up with some morale-boosting guerrilla art to hang there in this strange time. I had her bring me the wreath hoop, stretched an old sheet over it, and painted the image, which we hung by dark of night. Then my mother suggested I make stickers, so now lots of stickers with the image are around town, too, and I’ve posted the print file online in case anyone would like to get stickers made to hang around in their community (trythisathome.net).”

We had to do a double-take upon seeing this photo of an Eastern Bluebird and “friend” taken by Patrick Smith of Woodstock, Connecticut.



Bluebirds Everywhere

“Bluebirds Everywhere” is a feature that celebrates the widespread and creative uses of bluebird images and the word “bluebird” itself. We invite you to submit your own images and ideas—simply email them to NABSeditor@gmail.com or mail them to NABS Editor, 5405 Villa View Dr., Farmington, NM 87402. Let’s see what bluebirds you can find!



Jode Hillman made this turkey call from red cedar that he cut and harvested. His daughter Allison did the original bluebird painting, which adorns the back of the call. You can see more of Jode’s work (including some spectacular decoys that he’s carved) at www.hillmandecoys.com.



Bernie Visalli of the New Jersey Bluebird Society wrote, “Even during COVID restrictions, I found a bluebird mask that is great for monitoring!”

Affiliates of the North American Bluebird Society

The North American Bluebird Society serves as a clearinghouse for ideas, research, management, and education on behalf of bluebirds and other native cavity-nesting species. NABS invites all state, provincial, and regional bluebird organizations to become NABS Affiliates in a confederation of equals working together in a partnership in international bluebird conservation. No cost is associated with affiliating with NABS. Your affiliated organization will be listed on the NABS website and in *Bluebird*. To find out more about becoming a NABS Affiliate please contact Kevin Corwin at KCorwin@nabluebirdsociety.org. If your organization is listed below, please review your listing to ensure it is current and send any changes to Kevin. Thanks!



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